

CONTROL STATIONS

Craig & Derricott have been at the forefront of electrical control gear design and manufacture for more than 70 years. The i-push range has been designed and developed to incorporate safety, functionality and ease of installation incorporating suggestions from re-sellers and end-users. The 'i-push' range contains many unique features:-

- Heavy & Normal Duty actuators
- Pushbutton position indicators
- Security fixing lids
- Protective guards
- Ingress protection
- Flap covers
- Safety contact
- Bespoke assemblies



Emergency Stop

Emergency Stop stations are designed and installed primarily to provide machine operators with a means of shutting down in the event of a dangerous occurrence taking place.

Electrical machines often require Emergency Stops which are required to meet specific requirements and International standards (IEC/EN60204, BS EN ISO 13850, IEC 60947-5-1, IEC 60947-5-5). These standards were applied to the design, testing and installation of such devices offer by Craig & Derricott.









The following pages contain the following options:-

- Enclosure formats - PA / PC Plastic, Glass Filled Polyester, Die-cast Aluminium, Stainless Steel, Sheet Steel & Flush Mounting.
- 'Reset' Methods - Twist-to-Reset, Pull-to-Reset & Key Reset
- Protection Devices - Raised Shroud & Flap Cover

Image	Description	Cat. No.
	Actuator Emergency Stop, twist-to-reset Legend None Contacts 1N/C (EMSL-10A) Dims. D12 Material PC IP Rating IP66, IP67 & IP69K	EMSL/TNS/PS/NC
	Actuator Emergency Stop twist-to-reset Legend 'Emergency Stop' Circular yellow Contacts 1N/C (EMSL-10A) Dims. D12 Material PC IP Rating IP66, IP67 & IP69K	EMSL/T/PS/NC
	Actuator Emergency Stop key reset (supplied with 2 keys) Legend 'Emergency Stop' Circular yellow Contacts 1N/C (EMSL-10A) Dims. D12 Material PA IP Rating IP66, IP67 & IP69K	EMSL/K/PS/NC
	Actuator Emergency Stop twist-to-reset Guard Raised shroud Legend 'Emergency Stop' Circular yellow Contacts 1N/C (EMSL-10A) Dims. D12 Material PC IP Rating IP66, IP67 & IP69K	EMSL/TS/PS/NC
	Actuator Emergency Stop, twist-to-reset Legend 'Emergency Stop' Circular yellow Contacts 1N/C (MT-16A) Dims. 'D2' Material PC IP Rating IP65	EMS/T/P/NC
	Actuator Emergency Stop twist-to-reset Legend 'Emergency Stop' Circular yellow Guard Raised shroud Contacts 1N/C (MT-16A) Dims. 'D2' Material PC IP Rating IP65	EMS/TS/P/NC
	Actuator Emergency Stop key reset. (Supplied with 2 keys) Legend 'Emergency Stop' yellow anti-lock collar Contacts 1N/C (MT-16A) Dims. 'D2' Material PC IP Rating IP65	EMS/K/P/NC
	Actuator Emergency Stop key reset. (Supplied with 2 keys) Guard Raised shroud Legend 'Emergency Stop' Circular yellow Contacts 1N/C (MT-16A) Dims. 'D2' Material PC IP Rating IP65	EMS/KS/P/NC

Image	Description	Cat. No.
	Actuator Emergency Stop, twist-to-reset Legend 'Emergency Stop' yellow printed collar Contacts 1N/C+1N/O (ET-10A) Dims. 'D0' Material Die-cast Aluminium IP Rating IP65	EMS/T/MGS/CO
	Actuator Emergency Stop twist-to-reset Legend 'Emergency Stop' yellow printed collar Contacts 1N/C (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMS/T/MG/CO
	Actuator Emergency Stop key reset (Supplied with 2 keys) Legend 'Emergency Stop' yellow printed collar Contacts 1N/C (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMS/K/MG/NC
	Actuator Emergency Stop twist-to-reset Guard Raised Shroud Legend 'Emergency Stop' circular yellow Contacts 1N/C (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMS/TS/MG/NC
	Actuator Emergency Stop key reset (Supplied with 2 keys) Guard Raised Shroud Legend 'Emergency Stop' circular yellow Contacts 1N/C (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMS/KS/MG/NC
	Actuator Emergency Stop Mushroom pull-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMSH/P/MG/CO
	Actuator Emergency Stop Mushroom pull-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMSH/P/MR/CO
	Actuator Emergency Stop Mushroom twist-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMSH/T/MG/CO
	Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys) Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMSH/K/MG/CO

Image	Description	Cat. No.
	Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys) Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMSH/K/MR/CO
	Actuator Emergency Stop Mushroom pull-to-reset Guard Padlocking flap cover Legend 'Emergency Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMSH/P/F1/MG/CO
	Actuator Emergency Stop Mushroom pull-to-reset Guard Padlocking flap cover Legend 'Emergency Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EMSH/P/F1/MR/CO
	Actuator Emergency Stop Mushroom twist-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D4' Material Glass Filled Polyester IP Rating IP65	EMSH/T/GP/CO
	Actuator Emergency Stop Mushroom pull-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D4' Material Glass Filled Polyester IP Rating IP65	EMSH/P/GP/CO
	Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys) Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D4' Material Glass Filled Polyester IP Rating IP65	EMSH/K/GP/CO
	Actuator Emergency Stop Mushroom pull-to-reset Guard Padlocking flap cover Legend 'Emergency Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D4' Material Glass Filled Polyester IP Rating IP65	EMSH/P/F1/GP/CO
	Actuator Emergency Stop twist-to-reset (Supplied with 2 keys) Legend 'Emergency Stop' printed yellow collar Contacts 1N/C (MT-16A) Dims. 'D9' Material Stainless Steel IP Rating IP65	EMS/T/SS/NC
	Actuator Emergency Stop key reset (Supplied with 2 keys) Legend 'Emergency Stop' printed yellow collar Contacts 1N/C (MT-16A) Dims. 'D9' Material Stainless Steel IP Rating IP65	EMS/K/SS/NC

Image	Description	Cat. No.
	Actuator Emergency Stop, twist-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+safety contact (MTOSFE) Dims. 'D10' Material Stainless Steel IP Rating IP69K	EMS/T/SS/NC69
<p>EMS/T/SS/NC69 is sealed to withstand the forces associated with pressure washers. Tested to withstand a hose delivering water at a pressure between 80-100 bar at a temperature of 80°C.</p> <p>The combination of a stainless steel enclosure and sealing to IP69K make these items ideally suited to environments where strict hygiene cleaning routines are enforced. Supplied with external fixing feet for vertical or horizontal mounting.</p>		
	Actuator Emergency Stop twist-to-reset Legend 'Emergency Stop' yellow printed collar Contacts 1N/C+1N/O (ET-10A) Dims. 'D11' Material Stainless Steel IP Rating IP65*	EMS/T/F/CO
	Actuator Emergency Stop key reset (Supplied with 2 keys) Legend 'Emergency Stop' yellow printed collar Contacts 1N/C+1N/O (ET-10A) Dims. 'D11' Material Stainless Steel IP Rating IP65*	EMS/K/F/CO
	Actuator Emergency Stop Mushroom twist-to-reset. Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D11' Material Stainless Steel IP Rating IP65*	EMSH/T/F/CO
	Actuator Emergency Stop Mushroom pull-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D11' Material Stainless Steel IP Rating IP65*	EMSH/P/F/CO
	Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys) Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D11' Material Stainless Steel IP Rating IP65*	EMSH/K/F/CO
	Actuator Emergency Stop Mushroom pull-to-reset Guard Padlocking flap cover Legend 'Emergency Stop' pad printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D11' Material Stainless Steel IP Rating IP65*	EMSH/P/F1/F/CO
	Actuator Emergency Stop Mushroom twist-to-reset Fitting Pattress box or trucking Contacts 2xN/C with 'faston' terminals (Monobloc-5A) Dims. 'D8' Material Sheet Steel IP Rating IP65	EMS/T/FS/NC

*As supplied there is an IP65 seal between the Pushbutton and the face plate. To maintain this seal when installing the complete assembly the onus is upon the installer to use a continuous bead of flexible sealant to provide an effective seal between the rear of the face plate and what may be an uneven mounting surface.

General Description

'Emergency Power Off' or 'EPO' control stations can be used where the safety requirements associated with Emergency Stops are not required.

Typical uses would include:-

- Computer suites
- School workshops
- Water treatment plants
- Service and maintenance

All items are housed in robust die-cast aluminium enclosures fitted with flap covers to prevent accidental operation.

















Image	Description	Cat. No.
	Actuator Mushroom momentary action Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EPOH/M/F5/MG/CO
	Actuator Mushroom momentary action Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 2N/C+2N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EPOH/M/F5/MG/2CO
	Actuator Mushroom momentary action Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 3C/O (S1-10A) Dims. 'D6' Material Die-cast Aluminium IP Rating IP65	EPOH/M/F5/MGL/3CO
	Actuator Mushroom momentary action Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 4C/O (S1-10A) Dims. 'D6' Material Die-cast Aluminium IP Rating IP65	EPOH/M/F5/MGL/4CO
	Actuator Mushroom, pull-to-reset Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EPOH/P/F5/MG/CO
	Actuator Mushroom, pull-to-reset Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 2N/C+2N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	EPOH/P/F5/MG/2CO
	Actuator Mushroom, pull-to-reset Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 3C/O (S1-10A) Dims. 'D6' Material Die-cast Aluminium IP Rating IP65	EPOH/P/F5/MGL/3CO
	Actuator Mushroom, pull-to-reset Guard Flap cover non-locking Legend 'Emergency Stop' printed flap cover Contacts 4C/O (S1-10A) Dims. 'D6' Material Die-cast Aluminium IP Rating IP65	EPOH/P/F5/MGL/4CO

Image	Description	Cat. No.
	<p>Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys)</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 1N/C+1N/O (MT-16A)</p> <p>Dims. 'D5'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPOH/K/F5/MG/CO
	<p>Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys)</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 2N/C+2N/O (MT-16A)</p> <p>Dims. 'D5'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPOH/K/F5/MG/2CO
	<p>Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys)</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 3C/O (S1-10A)</p> <p>Dims. 'D6'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPOH/K/F5/MGL/3CO
	<p>Actuator Emergency Stop Mushroom key reset (Supplied with 2 x DC800 keys)</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 4C/O (S1-10A)</p> <p>Dims. 'D6'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPOH/K/F5/MGL/4CO
	<p>Actuator Emergency Stop twist-to-reset</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 1N/C (MT-16A)</p> <p>Dims. 'D5'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPO/T/F5/MG/CO
	<p>Actuator Emergency Stop key-to-reset (Supplied with 2 keys)</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 1N/C+1N/O (MT-16A)</p> <p>Dims. 'D5'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPO/K/F5/MG/CO
	<p>Actuator Emergency Stop twist-to-reset</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 1N/C+1N/O (ET-10A)</p> <p>Dims. 'D0'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPO/T/F5/MGS/CO
	<p>Actuator Emergency Stop key-to-reset (Supplied with 2 keys)</p> <p>Guard Flap cover non-locking</p> <p>Legend 'Emergency Stop' printed flap cover</p> <p>Contacts 1N/C+1N/O (ET-10A)</p> <p>Dims. 'D0'</p> <p>Material Die-cast Aluminium</p> <p>IP Rating IP65</p>	EPO/K/F5/MGS/CO

General Description

'Emergency Stops' are often situated adjacent to the associated 'Start' button. In these assemblies the two functions are combined in a single enclosure.

All of the stayput 'Emergency Stop' buttons meet the latest safety requirements.

The flap cover option operates the stayput actuator when the cover is pressed. Padlocks can be inserted to prevent an unauthorised reset. Enclosures in polycarbonate and die-cast aluminium provide a choice dependent upon the environment.

Image	Description	Cat. No.
	Actuator a/ Start, momentary b/ Emergency Stop, twist-to-reset Legend a/ 'I' Start b/ 'Emergency Stop' Printed collar Contacts 1N/C+1N/O (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65	ESS/GS/T/MG/NOC
	Actuator a/ Start, momentary b/ Emergency Stop, mushroom pull-to-reset Legend a/ 'Start' b/ 'Emergency Stop' Circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65	ESSH/GS/P/MG/CO
	Actuator a/ Start, momentary b/ Emergency Stop, pull-to-reset Guard Padlocking flap cover Legend a/ 'Start' b/ 'Emergency Stop' Printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65	SSTH/GS/P/F1/MG/CO
	Actuator a/ Start, momentary b/ Emergency Stop, twist-to-reset Legend a/ 'I' Start b/ 'Emergency Stop' Printed collar Contacts 1N/C+1N/O (MT-16A) Dims. 'D3' Material Moulded Plastic IP Rating IP65	ESS/GS/T/P/NOC

General Description

Individual 'Stop' stations have been designed for use in many applications.

The range includes alternatives for both surface and flush mounting with options of flap covers which add an extra degree of security against inadvertent operation.










Image	Description	Cat. No.
	Actuator Full guard, momentary stop Legend 'Stop' Contacts 1N/C (MT-16A) Dims. 'D2' Material PC IP Rating IP65	STO/RS/P/NC
	Actuator Full guard, momentary stop Legend 'Stop' Contacts 1N/C (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STO/RS/MG/NC
	Actuator Mushroom pull-to-reset Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STOH/P/F3/MG/CO
	Actuator Mushroom key reset (Supplied with 2x DC800 keys) Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STOH/K/F3/MG/CO
	Actuator Mushroom pull-to-reset Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STOH/P/F3/MR/CO
	Actuator Full guard, momentary stop Legend 'Stop' Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STOH/RS/MG/CO
	Actuator Mushroom, momentary stop Legend 'Stop' Contacts 1N/C+1N/O (ET-10A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STOH/M/MG/CO
	Actuator Mushroom, momentary stop Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STOH/M/F3/MG/CO

Image	Description	Cat. No.
	Actuator Mushroom, momentary stop Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D4' Material Glass Filled Polyester IP Rating IP65	STOH/M/F3/GP/CO
	Actuator Mushroom, pull-to-reset Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D4' Material Glass Filled Polyester IP Rating IP65	STOH/P/F3/GP/CO
	Actuator Mushroom key reset (Supplied with 2x DC800 keys) Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D4' Material Glass Filled Polyester IP Rating IP65	STOH/K/F3/GP/CO
	Actuator Full guard, momentary stop Legend 'Stop' Contacts 1N/C (MT-16A) Dims. 'D9' Material Stainless Steel IP Rating IP65	STO/RS/SS/NC
	Actuator Full guard, momentary stop Legend 'Stop' Contacts 1N/C+1N/O (ET-1A) Dims. 'D11' Material Stainless Steel IP Rating IP65	STO/RS/F/CO
	Actuator Mushroom, pull-to-reset Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D11' Material Stainless Steel IP Rating IP65	STOH/P/F3/F/CO
	Actuator Mushroom, momentary stop Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D11' Material Stainless Steel IP Rating IP65	STOH/M/F3/F/CO
	Actuator Mushroom key reset (Supplied with 2x DC800 keys) Guard Flap cover non-locking Legend 'Stop' printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D11' Material Stainless Steel IP Rating IP65	STOH/K/F3/F/CO

General Description







Individual 'Start' stations have been designed for use in many applications.

Image	Description	Cat. No.
	Actuator Full guard, momentary start Legend 'Start' Contacts 1N/O (MT-16A) Dims. 'D2' Material PC IP Rating IP65	STA/GS/P/NO
	Actuator Full guard, momentary start Legend 'Start' Contacts 1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STA/GS/MG/NO
	Actuator Full guard, momentary start Legend 'Start' Contacts 1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	STAH/GS/MG/CO
	Actuator Full guard, momentary start Legend 'Start' Contacts 1N/O (MT-16A) Dims. 'D9' Material Stainless Steel IP Rating IP65	STA/GS/SS/NO
	Actuator Full guard, momentary start Legend 'Start' Contacts 1N/O (ET-10A) Dims. 'D11' Material Stainless Steel IP Rating IP65	STA/GS/F/NO

General Description

'Start/Stop' control stations are the most convenient way of providing simple local control for a variety of applications. When inserted into a control scheme they provide the local interface with which machinery can be easily be controlled.

The assembled stations are offered in various enclosure materials which are designed to match applications in terms of mechanical protection.

Image	Description	Cat. No.
	Actuator Full guard, momentary start / stop Legend 'O' & 'I' Contacts 'I' - 1N/O (MT-16A) 'O' - 1N/C (MT-16A) Dims. 'D2' Material PC IP Rating IP65	SST/GS/RS/P/NOC
	Actuator Full guard, momentary start / stop Legend 'O' & 'I' Contacts 'I' - 1N/O (MT-16A) 'O' - 1N/C (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65	SST/GS/RS/MG/NOC
	Actuator a/ Full guard, momentary b/ Mushroom, pull-to-reset Guard Flap cover non-locking Legend a/ 'Start' b/ 'Stop' printed flap cover Contacts 'Start' - 1N/O (MT-16A) 'Stop' - 1N/C (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65	SSTH/GS/P/F3/MG/CO
	Actuator Full guard, momentary start Legend 'Start' & 'Stop' Contacts 'Start' - 1N/O (MT-16A) 'Stop' - 1N/C (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65	SSTH/GS/RS/MG/CO
	Actuator a/ Full guard, momentary b/ Mushroom, key reset (Supplied with 2x DC800 keys) Guard Flap cover non-locking Legend a/ 'Start' b/ 'Stop' printed flap cover Contacts 'Start' - 1N/O (MT-16A) 'Stop' - 1N/C (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65	SSTH/GS/K/F3/MG/CO
	Actuator Full guard, momentary start Legend 'O' & 'I' Contacts 'I' - 1N/O (MT-16A) 'O' - 1N/C (MT-16A) Dims. 'D9' Material Stainless Steel IP Rating IP65	SST/GS/RS/SS/NOC

General Description

In the UK from July 2006 the onus was placed upon companies to ensure that all equipment within their organisations is suitable for the environment in which it is being used. This was aimed primarily at areas where there may be a possibility of a combustible atmosphere being present, even for short periods i.e. less than 10 hours/year.

People normally associate such atmospheres as being gases, mists or vapours. However there are many industries where a non-conductive dust mixed with air in the right proportion can become potentially explosive. It is these areas where the Craig & Derricott ATEX Group II (Zone 22 equipment) can be used to help you comply with Health & Safety regulations. All listed items shown here have been certified to the appropriate international standards for explosive atmospheres.




Certification data:

Ex II 3D, EX tD A22 IP65 T85°C

Complies in part or full with:


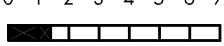



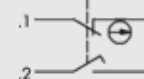

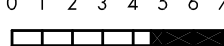


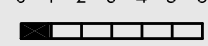

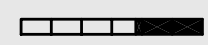



BS EN 50014, BS EN 50281-1-1, BS EN 60529, BS EN 60947-3, BS EN 60204-1

Image	Description	Cat. No.
	Actuator Full guard, momentary stop Legend 'Stop' Contacts 1N/C+1N/O (MT-16A) Dims. 'D2' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	STOH/RS/MG/COZ
	Actuator Full guard, momentary start Legend 'Start' Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	STAH/GS/MG/COZ
	Actuator Full guard, momentary start / stop Legend 'Start' & 'Stop' Contacts 'Start'- 1N/O (MT-16A) 'Stop'- 1N/C (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	SSTH/GS/RS/MG/COZ
	Actuator Mushroom, twist-to-reset Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	EMSH/T/MG/COZ
	Actuator Mushroom, momentary stop Legend 'Stop' Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	STOH/M/MG/COZ
	Actuator a/ Start, momentary b/ Emergency stop, pull-to-reset. Legend a/ 'Start' b/ Circular yellow Contacts 'Start'- 1N/O (MT-16A) 'Em. Stop'- 1N/C (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	ESSH/GS/P/MG/COZ
	Actuator Full guard, momentary start / stop Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	EMSH/P/MG/COZ

Image	Description	Cat. No.
	Actuator a/ Start, momentary b/ Emergency stop, pull-to-reset. Guard Padlocking flap cover Legend a/ 'Start' b/ 'Emergency Stop' Printed flap cover Contacts 'Start'- 1N/O (MT-16A) 'Stop'- 1N/C (MT-16A) Dims. 'D7' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	SSTH/GS/P/F1/MG/COZ
	Actuator Emergency stop, pull-to-reset. Guard Padlocking flap cover Legend 'Emergency Stop' Printed flap cover Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	EMSH/P/F1/MG/COZ
	Actuator Mushroom, key reset (Supplied with 2x DC800 keys) Legend 'Emergency Stop' circular yellow Contacts 1N/C+1N/O (MT-16A) Dims. 'D5' Material Die-cast Aluminium IP Rating IP65 EX Zone 22	EMSH/K/MG/COZ


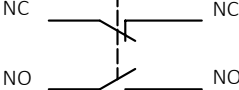


Accessories

Contact blocks are available to replace or extend the arrangements supplied as standard.

MT Series		
A 'clip-in' module which can be supplied in N/O, N/C & safety formats. The clip-in housing allows for a total of three blocks per actuator.		
Image	Description	Cat. No.
	Normally Closed (N/C) contact block. Momentary action. 0 1 2 3 4 5 6 7 .1/.2   .1 — — .2	MTO
	'Safety Contact' for Emergency Stops. -3 -2 -1 0 1 2 3 4 5 6 7 .1/.2  	MTOSFE
	Normally Open (N/O) contact block. Momentary action. 0 1 2 3 4 5 6 7 .3/.4   .3 — — .4	MTI
ET Series		
The 'ETR' block provides N/O + N/C contacts in one assembly.		
Image	Description	Cat. No.
	Contact Block, Momentary Action 1 N/O + 1 N/C 0 1 2 3 4 5 6 12/11   12 — — 11 24/23   24 — — 23	ETR
Monobloc Series		
The Monobloc assembly is designed for use in very restricted space. The contacts are assembled in the base of the actuator and cannot be supplied separately. To replace the contacts will require a new complete actuator.		
Image	Description	Cat. No.
	Contact Block, Momentary Action 2 N/C 	FRVKOO

General Description

Contact blocks are available to replace or extend the arrangements supplied as standard.

S1 Series		
The S1 contact block is designed to be stacked in pairs side-by-side and then back-to-back making a total of four changeover blocks on one Heavy Duty actuator. Three or four blocks will require extended fixing screws (U42)		
Image	Description	Cat. No.
	Contact Block, Momentary Action C/O 	S1
	Assembly screw kit to enable 3 or 4 'S1' contacts to be mounted on a single Heavy Duty actuator.	U42
EMSL Series		
A 'clip-in' module which can be supplied in N/O and N/C format. Each contact block has screw termination and designed for Direct snap-on mounting to control station base. Maximum tightening torque for screw terminals: 1Nm.		
Image	Description	
	Base mounted normally closed contact block	EMSL/NC
	Base mounted normally open contact block	EMSL/NO

Technical Specification - Control Stations

Data supplied against tests to BS EN 60947-5-1

Series		Utilisation Category	Rated Insulation Voltage (U_i)	Rated Operational Voltage (U_e)	Rated Operational Current (I_e)	Breaking Capacity	Continuous thermal current (I_{th})
MT Series	a.c	AC15 A600	600V	250V / 440V	3A / 1.6A	10Ie	16A
	d.c	DC13 Q600	600V	440V / 250V / 125V / 60V / 24V	0.12A / 0.2A / 0.4A / 1A / 2A	1.1Ie	16A
ET Series	a.c	AC15	400V	400V / 250V	3A / 5A	10Ie	10A
	d.c	DC13	400V	400V / 250V / 125V / 60V / 24V	0.12A / 0.2A / 0.4A / 1A / 2A	1.1Ie	10A
Monobloc Series	a.c	AC15 B300	250V	240V / 120V	5A	-	10A
S1 Series	a.c	AC15	660V	400V	5A	-	10A
EMSL Series	a.c	AC15	690V	600V / 500V / 480V / 400V / 240V / 120V / 48V / 24V / 12V	1.2A / 1.4A / 1.5A / 1.9A / 3A / 6A	10Ie	10A
	d.c	DC13	690V	600V / 500V / 440V / 250V / 125V / 48V / 24V / 12V	0.1A / 0.13A / 0.15A / 0.27A / 0.55A / 1.5A / 3A	1.1Ie	10A

Control Stations

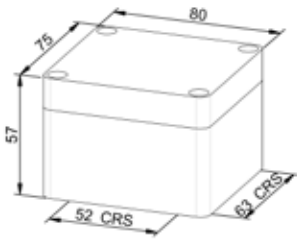
Dims as shown are for the enclosures only used in the various assemblies. Projections will vary depending upon the actuators incorporated in the design.

Normal Duty Actuators (ND)

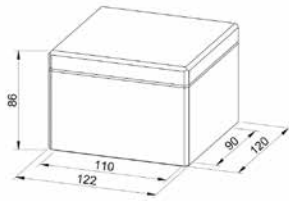
Emergency Stop (incl. guards)	42mm
Start/Stop	11mm

Heavy Duty Actuators (HD)

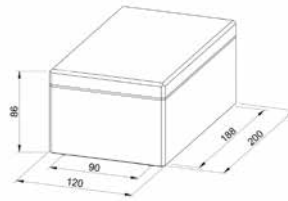
Mushroom (Twist or pull to reset)	43mm
Mushroom (Key reset)	51mm
Full guard (Start/Stop)	30mm
Flap Cover	66mm



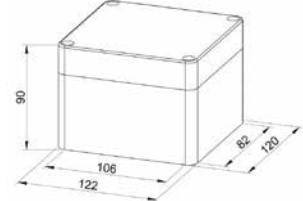
Enclosure D0
Material Die-Cast Aluminium
Colour Grey (RAL 7001)
Entries Plain sides
Fixings 2 x M4



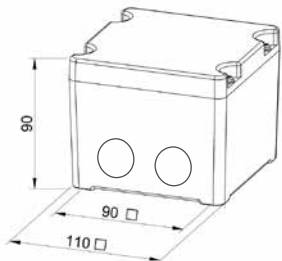
Enclosure D2
Material Polycarbonate
Colour Grey (RAL 7035)
Entries Plain sides
Fixings 2 x M4



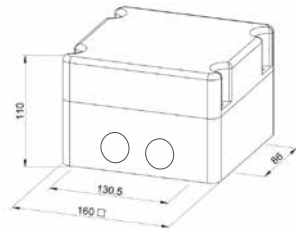
Enclosure D3
Material Polycarbonate
Colour Grey (RAL 7035)
Entries Plain sides
Fixings 4 x M4



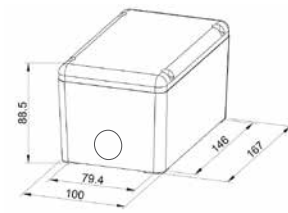
Enclosure D4
Material Glass reinforced Polyester
Colour Grey (RAL 7001)
Entries Plain sides
Fixings 4 x M5



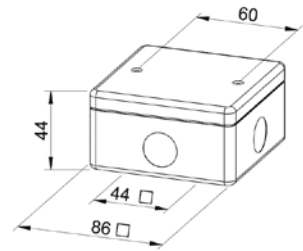
Enclosure D5
Material Die-Cast Aluminium
Colour Grey (RAL 7035)
Red (RAL 3020)
Entries 2 x M20
Fixings 4 x M5



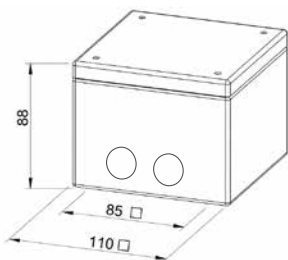
Enclosure D6
Material Die-Cast Aluminium
Colour Grey (RAL 7035)
Entries Plain sides
Entries 2 x M20
Fixings 4 x M5



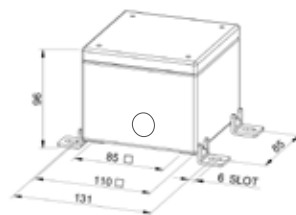
Enclosure D7
Material Die-Cast Aluminium
Colour Grey (RAL 7035)
Entries 2 x M20
Fixings 4 x M5



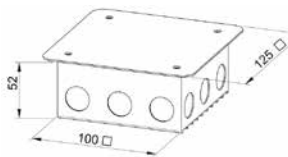
Enclosure D8
Material Steel
Colour Silver
Entries 5 x M20 knockouts
Fixings 4 off 5 x 10 slots



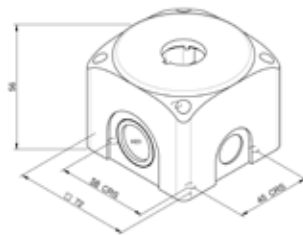
Enclosure D9
Material Stainless Steel (Grade 304)
Colour Brushed
Entries 2 x M20
Fixings 4 x M6



Enclosure D10
Material Stainless Steel (Grade 304)
Colour Brushed
Entries 1 x M20
Fixings 4 x M6



Enclosure D11
Material Fascia Plate - Stainless Steel
Back Box - Galvanised Steel
Colour Fascia Plate - Brushed
Entries 9 x M20 knockouts
Fixings 4 x M5



Enclosure D12
Material Polycarbonate
Colour Yellow/Black
Entries 2 x M20/M25/
PG13.5/PG16
2 x M16/PG11
Fixings 4xM4