

T e c h n i c a l D a t a S h e e t







S t o p C o n t r o l S t a t i o n R a n g e

CDPD91
Issue 1

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 Contacts: 1N/C (EMSL Lid Mount) Dimensions: D2 Enclosure Material: PC IP Rating: IP65	ND STOL/RS/P/NC
	Actuator: Full guard, momentary stop Contacts: 1N/C (EMSL Lid Mount) Dimensions: D5 Enclosure Material: Die-cast Aluminium IP Rating: IP65	ND STOL/RS/MG/NC
	Actuator: Full guard, momentary stop Contacts: 1N/C (EMSL Lid Mount) Dimensions: D9 Enclosure Material: Stainless Steel IP Rating: IP65	ND STOL/RS/SS/NC
	Actuator: Full guard, momentary stop Contacts: 1N/C (EMSL Lid Mount) Dimensions: D11 Enclosure Material: Stainless Steel IP Rating: IP65	ND STOL/RS/F/NC
	Actuator: Mushroom pull-to-reset Legend: Stop printed flap cover Guard: Flap cover non-locking Contacts: 1N/C+1N/O (MT-16A) Dimensions: D5 Enclosure Material: Die-cast Aluminium IP Rating: IP65	HD STOH/P/F3/MG/CO
	Actuator: Mushroom key reset (2 Keys) Legend: Stop printed flap cover Guard: Flap cover non-locking Contacts: 1N/C+1N/O (MT-16A) Dimensions: D5 Enclosure Material: Die-cast Aluminium IP Rating: IP65	HD STOH/K/F3/MG/CO

Technical Data Sheet

Stop Control Station Range

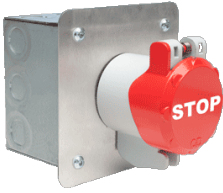
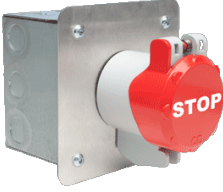
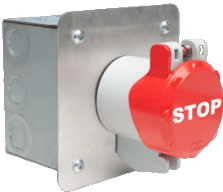
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Image	Description		Cat. No.
	Actuator Legend Guard Contacts Dimensions Enclosure Material IP Rating	Mushroom pull-to-reset Stop printed flap cover Flap cover non-locking 1N/C+1N/O (MT-16A) D5 Die-cast Aluminium IP65	HD STOH/P/F3/MR/CO
	Actuator Legend Contacts Dimensions Enclosure Material IP Rating	Full guard, momentary stop Stop 1N/C+1N/O (MT-16A) D5 Die-cast Aluminium IP65	HD STOH/RS/MG/CO
	Actuator Legend Contacts Dimensions Enclosure Material IP Rating	Mushroom, momentary stop Stop 1N/C+1N/O (ETR-10A) D5 Die-cast Aluminium IP65	HD STOH/M/MG/CO
	Actuator Legend Guard Contacts Dimensions Enclosure Material IP Rating	Mushroom, momentary stop Stop printed flap cover Flap cover non-locking 1N/C+1N/O (MT-16A) D5 Die-cast Aluminium IP65	HD STOH/M/F3/MG/CO
	Actuator Legend Guard Contacts Dimensions Enclosure Material IP Rating	Mushroom, momentary stop Stop printed flap cover Flap cover non-locking 1N/C+1N/O (MT-16A) D4 Glass Filled Reinforced Polyester IP65	HD STOH/M/F3/GP/CO
	Actuator Legend Guard Contacts Dimensions Enclosure Material IP Rating	Mushroom, pull-to-reset Stop printed flap cover Flap cover non-locking 1N/C+1N/O (MT-16A) D4 Glass Filled Reinforced Polyester IP65	HD STOH/P/F3/GP/CO
	Actuator Legend Guard Contacts Dimensions Enclosure Material IP Rating	Mushroom key reset (2 Keys) Stop printed flap cover Flap cover non-locking 1N/C+1N/O (MT-16A) D11 Stainless Steel IP65	HD STOH/K/F3/F/CO

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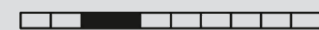
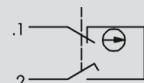








Stop Control Station Range

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Image	Description	Cat. No.
	Actuator: Mushroom key reset (2 Keys) Legend: Stop printed flap cover Guard: Flap cover non-locking Contacts: 1N/C+1N/O (MT-16A) Dimensions: D4 Enclosure Material: Glass Filled Reinforced Polyester IP Rating: IP65	HD STOH/K/F3/GP/CO
	Actuator: Mushroom, pull-to-reset Legend: Stop printed flap cover Guard: Flap cover non-locking Contacts: 1N/C+1N/O (MT-16A) Dimensions: D11 Enclosure Material: Stainless Steel IP Rating: IP65	HD STOH/P/F3/F/CO
	Actuator: Mushroom, momentary stop Legend: Stop printed flap cover Guard: Flap cover non-locking Contacts: 1N/C+1N/O (MT-16A) Dimensions: D11 Enclosure Material: Stainless Steel IP Rating: IP65	HD STOH/M/F3/F/CO

Accessories

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

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   .1 — .2	MTOSFE
	Normally Open (N/O) contact block. Momentary action. 0 1 2 3 4 5 6 7 .3/.4   .3 — .4	MTI
ETR 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

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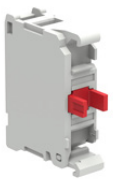



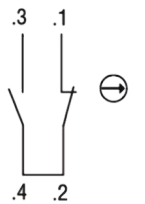
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Accessories

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

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	Cat. No.	Image	Description	Cat. No.
	Base mounted normally closed contact block <ul style="list-style-type: none"> Screw termination Direct snap-on mounting to control station base Maximum tightening torque for screw terminals: 1Nm 	EMSL/NC		Lid mounted normally closed contact block <ul style="list-style-type: none"> Screw termination Direct snap-on mounting to control station actuator Maximum tightening torque for screw terminals: 1Nm 	CB1NC
	Base mounted normally open contact block <ul style="list-style-type: none"> Screw termination Direct snap-on mounting to control station base Maximum tightening torque for screw terminals: 1Nm 	EMSL/NO		Lid mounted normally open contact block <ul style="list-style-type: none"> Screw termination Direct snap-on mounting to control station actuator Maximum tightening torque for screw terminals: 1Nm 	CB1NO
	Lid mounted normally closed safety contact block available for Emergency Stop control stations. When inserted the Red plunger will be operated by the pushbutton actuator, the green plunger will retain a N/C contact when the block is pushed fully home and clicked in-place. Should for any reason the block become loose, the contact under the green plunger will open and initiate a stop function. <ul style="list-style-type: none"> Screw termination Direct snap-on mounting to control station actuator Maximum tightening torque for screw terminals: 1Nm 	CB01NCSM			

Technical Specification - Control Stations

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

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

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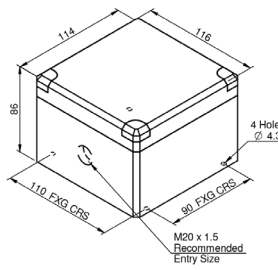
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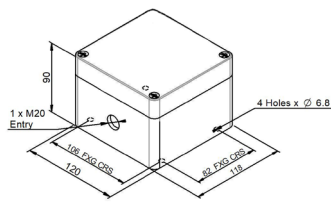
Control Stations

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

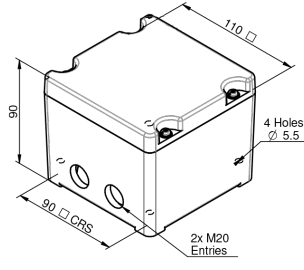
Normal Duty Actuators (ND)	Emergency Stop (incl. guards) Start/Stop	42mm 11mm
Heavy Duty Actuators (HD)	Mushroom (Twist or pull to reset) Mushroom (Key reset) Full guard (Start/Stop) Flap Cover	43mm 51mm 30mm 66mm



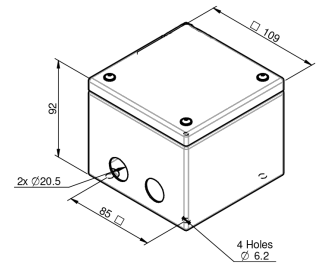
Enclosure D2
Material Polycarbonate
Colour Grey (RAL 7035)
Entries Plain sides
Fixings 2 x M4



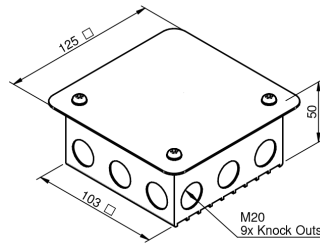
Enclosure D4
Material Glass reinforced Polyester
Colour Grey (RAL 7001)
Entries 1 x M20
Fixings 4 x M5



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



Enclosure D9
Material Stainless Steel (Grade 304)
Colour Brushed
Entries 2 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