

Technical Data Sheet

Explosion Proof Control Station Range

CDPD198
Issue 2



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 e.g. less than 10 hours/year.



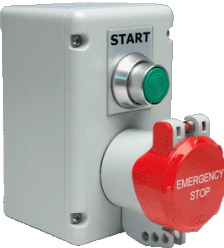


People normally associate such atmospheres as being gases, mists or vapours. However there are many industries where a non-conductive dust mixed with air in the right proportion can become potentially explosive. It is these areas where the Craig & Derricott ATEX Group II (Zone 22 equipment) can be used 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 Legend Contacts Dimensions Enclosure Material IP Rating EX	Full guard, momentary stop Stop 1N/C+1N/O (MT-16A) D2 Die-cast Aluminium IP65 Zone 22	HD	STOH/RS/MG/COZ
	Actuator Legend Contacts Dimensions Enclosure Material IP Rating EX	Full guard, momentary start Start 1N/C+1N/O (MT-16A) D5 Die-cast Aluminium IP65 Zone 22	HD	STAH/GS/MG/COZ
	Actuator Legend Contacts Dimensions Enclosure Material IP Rating EX	Full guard, momentary start / stop Start & Stop Start - 1N/O (MT-16A) Stop - 1N/C (MT-16A) D7 Die-cast Aluminium IP65 Zone 22	HD	SSTH/GS/RS/MG/COZ
	Actuator Legend Contacts Dimensions Enclosure Material IP Rating EX	Mushroom, twist-to-reset Emergency Stop circular yellow 1N/C+1N/O (MT-16A) D5 Die-cast Aluminium IP65 Zone 22	HD	EMSH/T/MG/COZ
	Actuator Legend Contacts Dimensions Enclosure Material IP Rating EX	Mushroom, momentary stop Stop 1N/C+1N/O (MT-16A) D5 Die-cast Aluminium IP65 Zone 22	HD	STOH/M/MG/COZ

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Image	Description		Cat. No.
	<p>Actuator</p> <p>Legend</p> <p>Contacts</p> <p>Dimensions</p> <p>Enclosure Material</p> <p>IP Rating</p> <p>EX</p>	<p>a/ Start, momentary</p> <p>b/ Emergency stop, pull-to-reset</p> <p>a/ Start</p> <p>b/ Circular yellow</p> <p>Start - 1N/O (MT-16A)</p> <p>Emergency Stop - 1N/C (MT-16A)</p> <p>D7</p> <p>Die-cast Aluminium</p> <p>IP65</p> <p>Zone 22</p>	<p>HD</p> <p><i>ESSH/GS/P/MG/COZ</i></p>
	<p>Actuator</p> <p>Legend</p> <p>Contacts</p> <p>Dimensions</p> <p>Enclosure Material</p> <p>IP Rating</p> <p>EX</p>	<p>Mushroom, pull-to-reset</p> <p>Emergency Stop circular yellow</p> <p>1N/C+1N/O (MT-16A)</p> <p>D5</p> <p>Die-cast Aluminium</p> <p>IP65</p> <p>Zone 22</p>	<p>HD</p> <p><i>EMSH/P/MG/COZ</i></p>
	<p>Actuator</p> <p>Legend</p> <p>Guard</p> <p>Contacts</p> <p>Dimensions</p> <p>Enclosure Material</p> <p>IP Rating</p> <p>EX</p>	<p>a/ Start, momentary</p> <p>b/ Emergency stop, pull-to-reset</p> <p>a/ Start</p> <p>b/ Emergency Stop Printed flap cover</p> <p>Padlocking flap cover</p> <p>Start- 1N/O (MT-16A)</p> <p>Stop- 1N/C (MT-16A)</p> <p>D7</p> <p>Die-cast Aluminium</p> <p>IP65</p> <p>Zone 22</p>	<p>HD</p> <p><i>SSTH/GS/P/F1/MG/COZ</i></p>
	<p>Actuator</p> <p>Legend</p> <p>Guard</p> <p>Contacts</p> <p>Dimensions</p> <p>Enclosure Material</p> <p>IP Rating</p> <p>EX</p>	<p>Emergency stop, pull-to-reset</p> <p>Emergency Stop Printed flap cover</p> <p>Padlocking flap cover</p> <p>1N/C+1N/O (MT-16A)</p> <p>D5</p> <p>Die-cast Aluminium</p> <p>IP65</p> <p>Zone 22</p>	<p>HD</p> <p><i>EMSH/P/F1/MG/COZ</i></p>
	<p>Actuator</p> <p>Legend</p> <p>Contacts</p> <p>Dimensions</p> <p>Enclosure Material</p> <p>IP Rating</p> <p>EX</p>	<p>Mushroom, key reset (2 Keys)</p> <p>Emergency Stop circular yellow</p> <p>1N/C+1N/O (MT-16A)</p> <p>D5</p> <p>Die-cast Aluminium</p> <p>IP65</p> <p>Zone 22</p>	<p>HD</p> <p><i>EMSH/K/MG/COZ</i></p>

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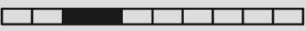
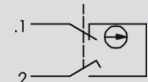

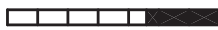

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Accessories

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

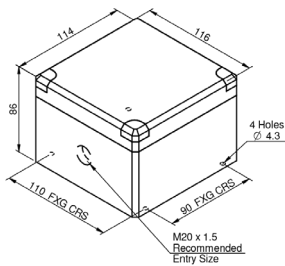
MT Series - A 'clip-in' module which can be supplied in N/O, N/C & safety formats. The clip-in housing allows for a total of three blocks per actuator.

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

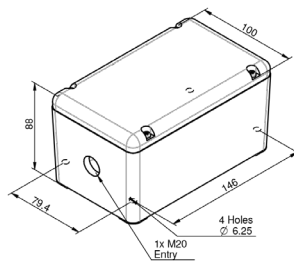
Technical Specification - Control Stations

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

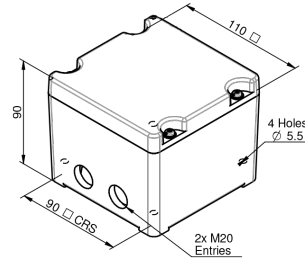
Series	Current	Utilisation Category	Rated Insulation Voltage (U _i)	Rated Operational Voltage (U _e) / Current (I _e)									Breaking Capacity	Continuous thermal current (I _{th})	
				V	-	-	-	-	250	440	-	-			-
MT	a.c.	AC15 A600	600V	V	-	-	-	-	250	440	-	-	-	10Ie	16A
				A	-	-	-	-	3	1.6	-	-	-		
	d.c.	DC13 Q600	600V	V		24	60	125	250	440				1.1Ie	16A
				A		2	1	0.4	0.2	0.12					



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



Enclosure D7
Material Die-Cast Aluminium
Colour Grey (RAL 7035)
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