

# Technical Data Sheet


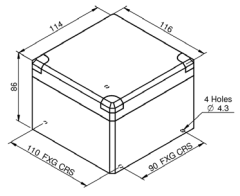

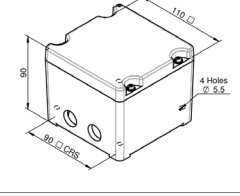

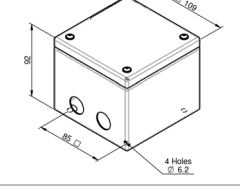

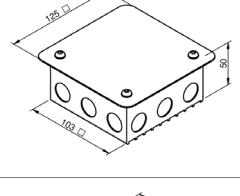
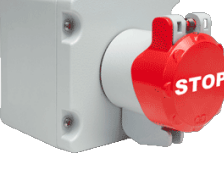
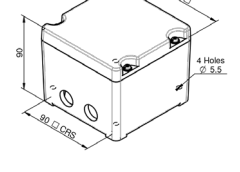
## Stop, Start & Stop/Start Control Station Range

CDPD273  
Issue 1

### Stop, Start and Stop/Start Control Stations

Individual 'Stop', 'Start' and 'Stop/Start' stations have been designed for use in many applications.


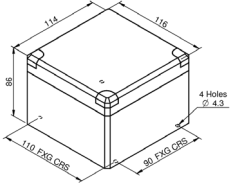

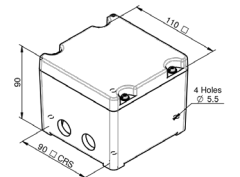

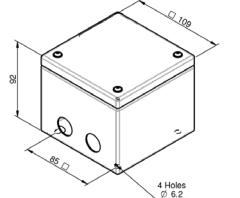

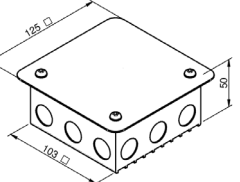

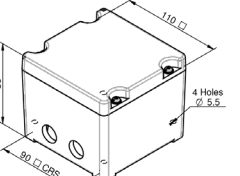
The range includes alternatives for both surface and flush mounting with options of flap covers which add an extra degree of security against inadvertent operation.

Stop Control Stations					
Image	Cat. No.	Description			Dimensions
	STOL/RS/P/NC	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Stop 0 1N/C (EMSL Lid Mount) PC IP65 Plain Sides 2 x M4	ND	
	STOL/RS/MG/NC	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Stop 0 1N/C (EMSL Lid Mount) Die-Cast Aluminium IP65 2 x M20 4 x M5	ND	
	STOL/RS/SS/NC	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Stop 0 1N/C (EMSL Lid Mount) Stainless Steel IP65 2 x M20 4 x M6	ND	
	STOL/RS/F/NC	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary 0 1N/C (EMSL Lid Mount) Stainless Steel IP65 9 x M20 Knock-outs 4 x M5	ND	
	STOHP/P/F3/MG/CO	Actuator Legend Guard Contacts Enclosure Material IP Rating Entries Fixings	Mushroom Pull-To-Reset Stop printed flap cover Flap cover non-locking 1N/C+1N/O (MT-16A) Die-Cast Aluminium IP65 2 x M20 4 x M5	HD	

# Technical Data Sheet

## Stop, Start & Stop/Start Control Station Range


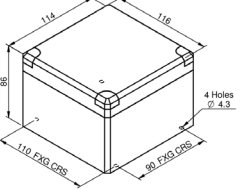

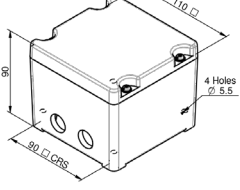

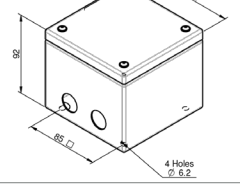

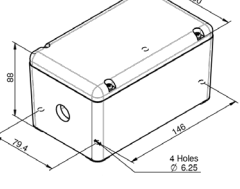
CDPD273  
Issue 1

Start Control Stations				
Image	Cat. No.	Description		Dimensions
	STAL/GS/P/NO	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Start I 1N/O (EMSL Lid Mount) PC IP65 Plain Sides 2 x M4	ND 
	STAL/GS/MG/NO	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Start I 1N/O (EMSL Lid Mount) Die-Cast Aluminium IP65 2 x M20 4 x M5	ND 
	STAL/GS/SS/NO	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Start I 1N/O (EMSL Lid Mount) Stainless Steel IP65 2 x M20 4 x M6	ND 
	STAL/GS/F/NO	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Start I 1N/O (EMSL Lid Mount) Stainless Steel IP65 9 x M20 Knock-outs 4 x M5	ND 
	STAH/GS/MG/CO	Actuator Legend Contacts Enclosure Material IP Rating Entries Fixings	Full guard, Momentary Start Start 1N/O (MT-16A) Die-Cast Aluminium IP65 2 x M20 4 x M5	HD 

# Technical Data Sheet

## Stop, Start & Stop/Start Control Station Range

CDPD273  
Issue 1

Start Control Stations				
Image	Cat. No.	Description		Dimensions
	SSTL/GS/RS/P/NOC	Actuator Legend Contacts	Full guard, Momentary Start / Stop O & I I - 1N/O (EMSL Lid Mount) O - 1N/C (EMSL Lid Mount)	ND
		Enclosure Material IP Rating Entries Fixings	PC IP65 Plain Sides 2 x M4	
	SSTL/GS/RS/MG/NOC	Actuator Legend Contacts	Full guard, Momentary Start / Stop O & I I - 1N/O (EMSL Lid Mount) O - 1N/C (EMSL Lid Mount)	ND
		Enclosure Material IP Rating Entries Fixings	Die-Cast Aluminium IP65 2 x M20 4 x M5	
	SSTL/GS/RS/SS/NOC	Actuator Legend Contacts	Full guard, Momentary Start O & I I - 1N/O (EMSL Lid Mount) O - 1N/C (EMSL Lid Mount)	ND
		Enclosure Material IP Rating Entries Fixings	Stainless Steel IP65 2 x M20 4 x M6	
	SSTH/GS/RS/MG/CO	Actuator Legend Contacts	Full guard, Momentary Start Start & Stop Start- 1N/O (MT-16A) Stop- 1N/C (MT-16A)	HD
		Enclosure Material IP Rating Entries Fixings	Die-Cast Aluminium IP65 1 x M20 4 x M5	

# Technical Data Sheet

## Stop, Start & Stop/Start Control Station Range

CDPD273  
Issue 1

Technical Specification  
Electrical Ratings- BS EN 60947-5-1

EMSL Series										
Application										
IEC/EN Operational characteristics (AC15)	V	12	24	48	120	240	400	480	500	600
	A	6	6	6	6	6	3	1.5	1.4	1.2
IEC/EN Operational characteristics (DC13)	V	12	24	48	125	250	-	440	500	600
	A	3	3	1.5	0.55	0.27	-	0.15	0.13	0.1
Short circuit protection fuse (max calibre)	10A gG/SC									
Contact resistance	≤20m Ω									
Terminals	Clamp screw with washer Faston 1x 6.35mm (0.25")   2x 2.8mm (0.11")									
Maximum conductor cross section for screw terminals	1 or 2 2.5mm <sup>2</sup> or AWG14 cables									
Mechanical & electrical endurance: Operating force	≤0.5kg / 1.1lb (auxiliary contacts)									
Mechanical & electrical endurance: Electrical life	1,000,000 cycles / 600,000 cycles									
Compliant with standard	IEC/EN 60947-1, IEC/EN 60947-5-1, UL508, CSA C22.2 n° 14.									
MT Series										
Application										
Storage Temperature	-50°C up to +85°C									
Operating Temperature	-30°C up to +85°C						For non-illuminated items			
	-30°C up to +55°C						Using incandescent lamps			
	-30°C up to +65°C						Using LED's			
Operating Travel	6mm									
Connections	Screw connections for 2 x 2.5mm <sup>2</sup> , IP2X.									
Lamp Type/Socket	Incandescent lamps, LED's / BA9s									
Contact Material	Silver-nickel alloy (Ag/Ni). Gold Plated Version available upon request.									
Mechanical Life	1 million operations									
Electrical Life	1 million cycles at rated load									
Min. Current / Voltage	1 mA / 5V (Under laboratory conditions)									
Contact Resistance (New State)	< 20mΩ									
Bounce Time	< 10 mS									
Positive Opening N/C Contact	To EN 60947-5-1 appendix K									
Continuous thermal current (I <sub>th</sub> )	16A									
Rated Insulation Voltage (U <sub>i</sub> )	600V									
Utilisation Category	A.C.	AC15 A600								
	D.C.	DC13 Q600								
Rated Operational Voltage (U <sub>e</sub> )	A.C.	250V/440V								
	D.C.	440V / 250V / 125V / 60V / 24V								
Rated Operational Current (I <sub>e</sub> )	A.C.	3A/1.6A								
	D.C.	0.12A / 0.2A / 0.4A / 1A / 2A								
Breaking Capacity (I <sub>e</sub> )	A.C.	10								
	D.C.	1.1								
Lamp Socket	BA9s									
Lamp Voltage	Max. 250V (CSA max. 125V)									
Lamp Output	Max. 2W									
Definition	X1.. anode, X2.. cathode.									