DCS EM10 Damper Control Panel

The DCS EM expands the successful DCS range into the hardwired panel marketplace. Now the smallest damper control systems for up to 10 dampers can utilise the stylish panel design without the complexity and expense of the addressable systems. The novel approach employed allows standard actuators to be controlled and monitored using just a single four core cable to each actuator.



Key Features:

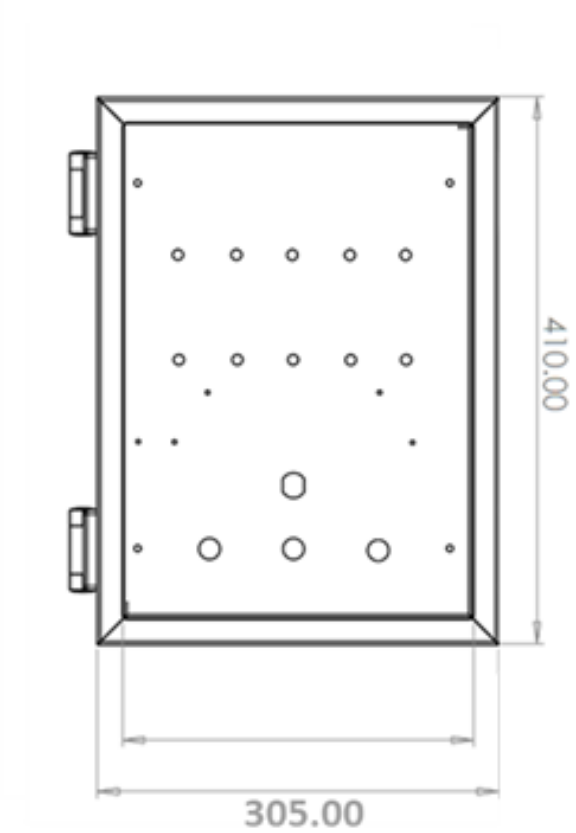
- Simplified Control: Effortlessly manage damper operations with user-friendly interfaces and intuitive controls.
- Enhanced Performance: Ensure precise and reliable damper control, positioning, and fault monitoring via a simple LED indicator system for optimal building comfort and safety.
- Cost-Effective Solution: Eliminate the need for addressable systems, delivering significant installation and maintenance cost savings.
- Seamless Integration: Easily integrate the DCS EM10 with the need for only a single 4 core cable to each actuator.

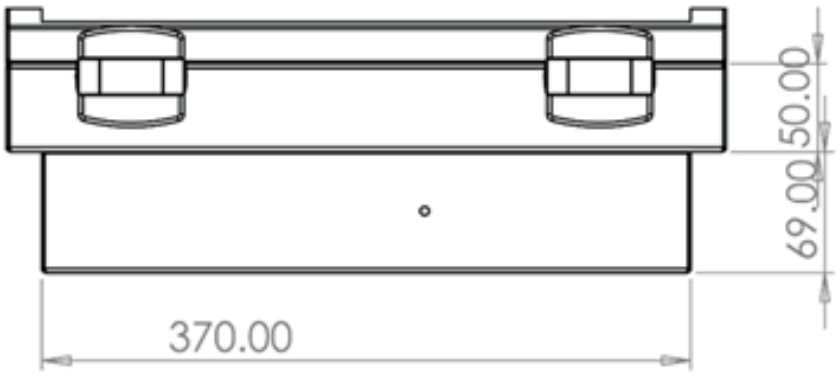
Mechanical

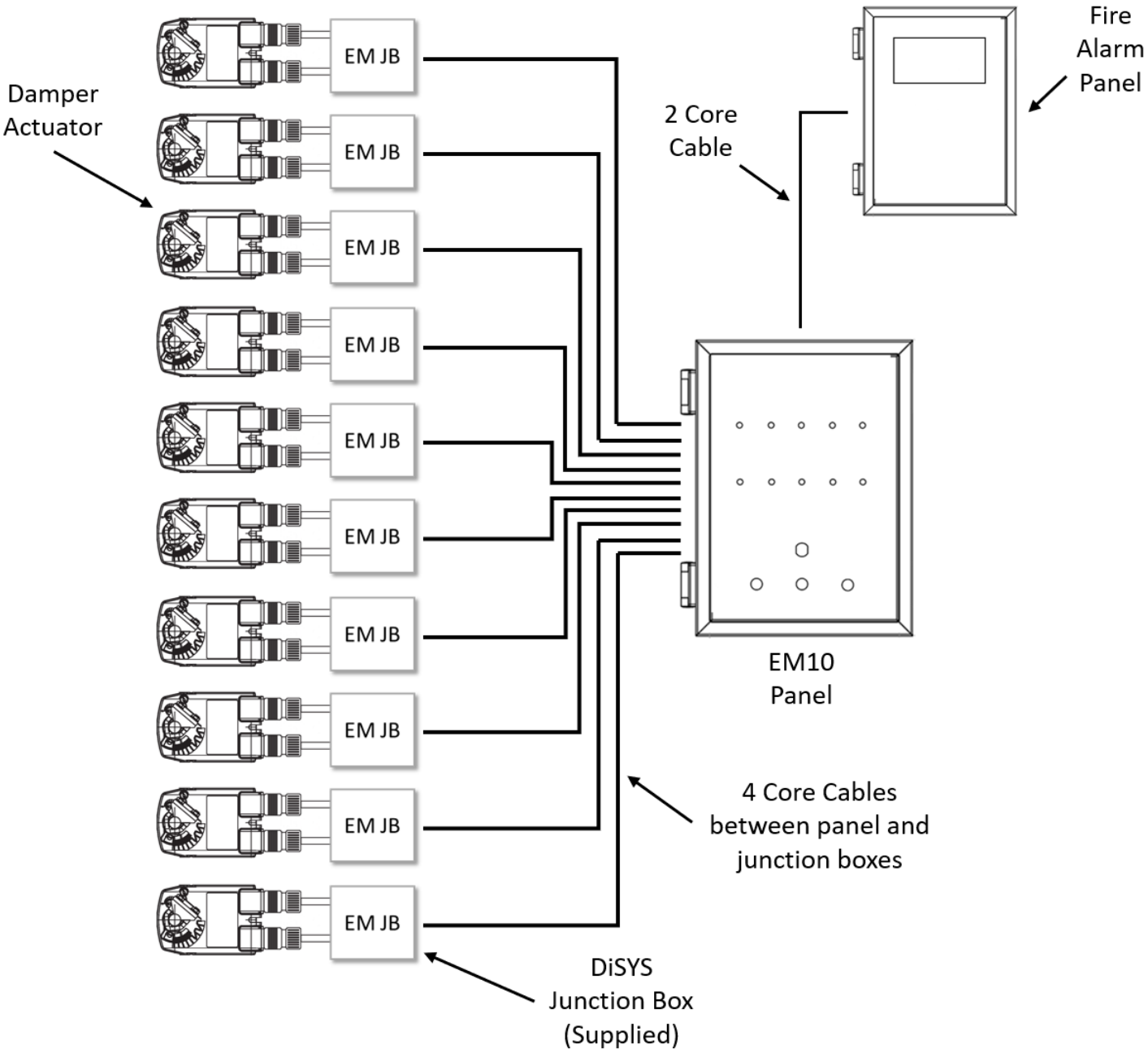
Dimensions (WxHxD)	305mm x 410mm x 160mm
Connections	Cable gland knockouts on top side
Doors	Hinges on Left (Unless specified)
Material	Mild Steel
Interfaces	Volt free fire alarm
Weight	9 Kg

Electrical

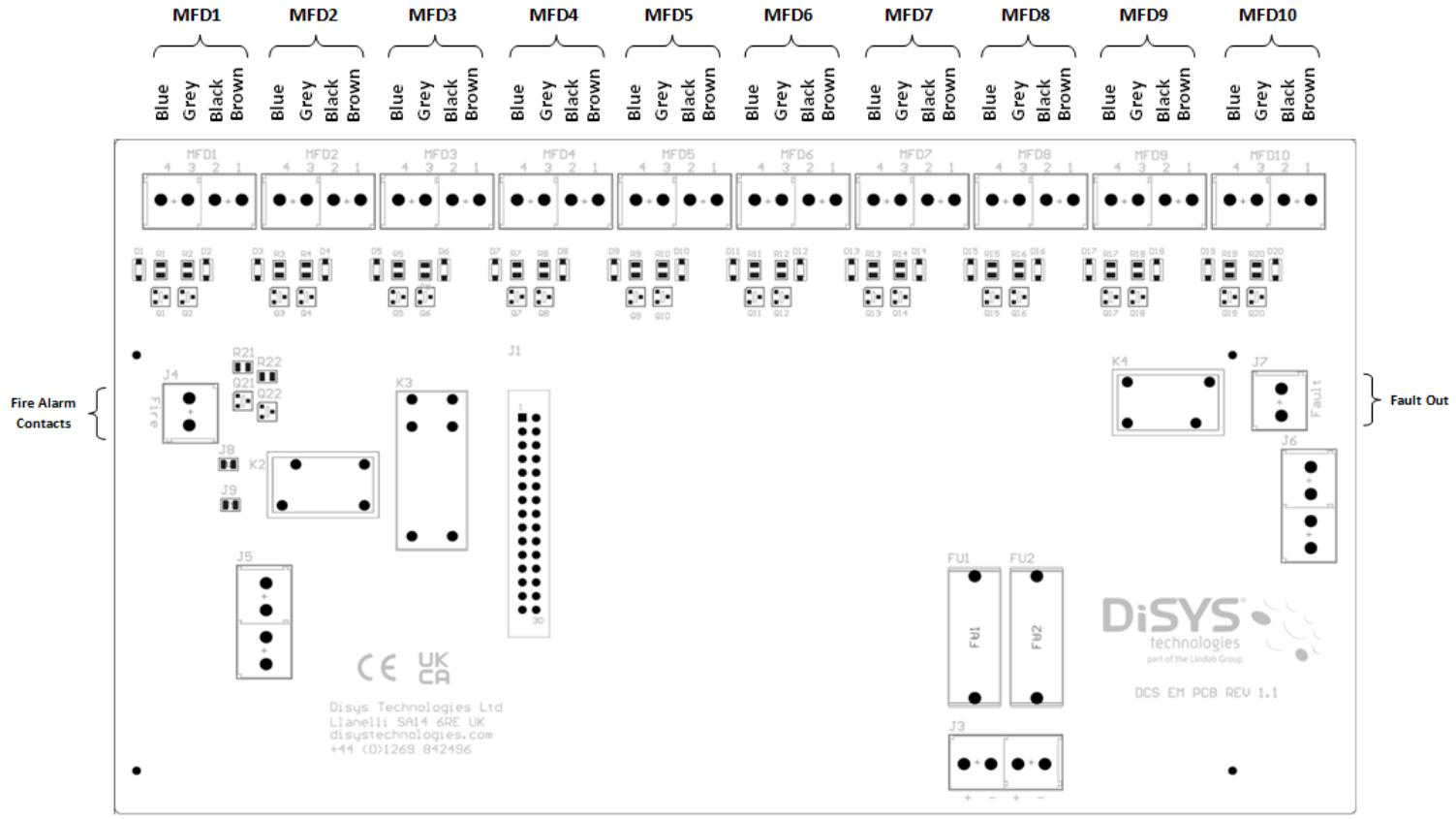
Supply	187-264 VAC ; 47-63 Hz., 150W
Supply Wire Size	1.3 – 2.5 mm^2 / AWG 16 – 14
Input Fuse	6A Slow
Output Power	24 VDC (0.6A per Actuator)
Output Cable	4 core 1.5mm^2 (eg. FP200)
Status Indicators	10 tri-colour damper status indicators (red/green/amber)
	Single Power On Indicator (green)
	Alarm Indicator (red)
Control Switch	3 Position (Open, Auto, Test) **Open:** Override fire alarm status and drive actuators Open **Auto:** Control actuators based on Fire Alarm status (No fire alarm, drive open) **Test:** Simulate fire alarm, all actuators spring closed)

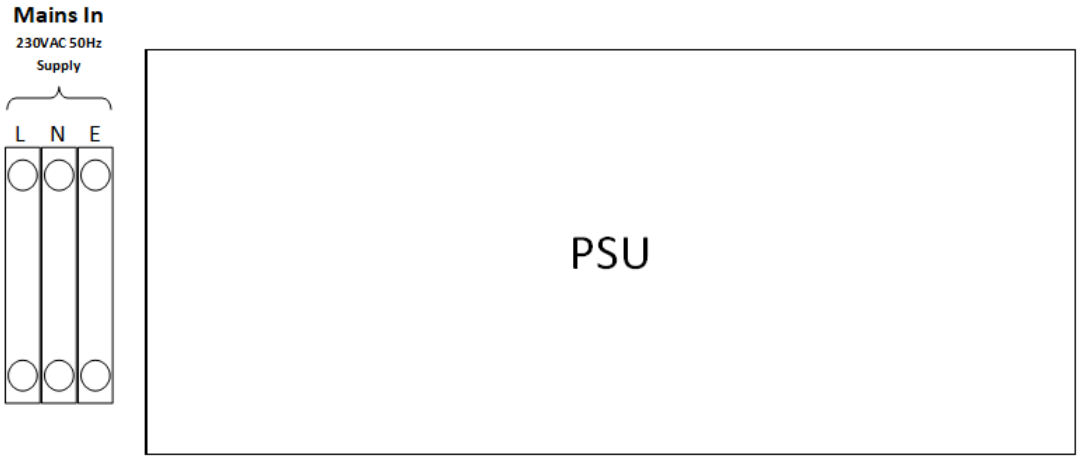

410.00
305.00


50.00
69.00
370.00

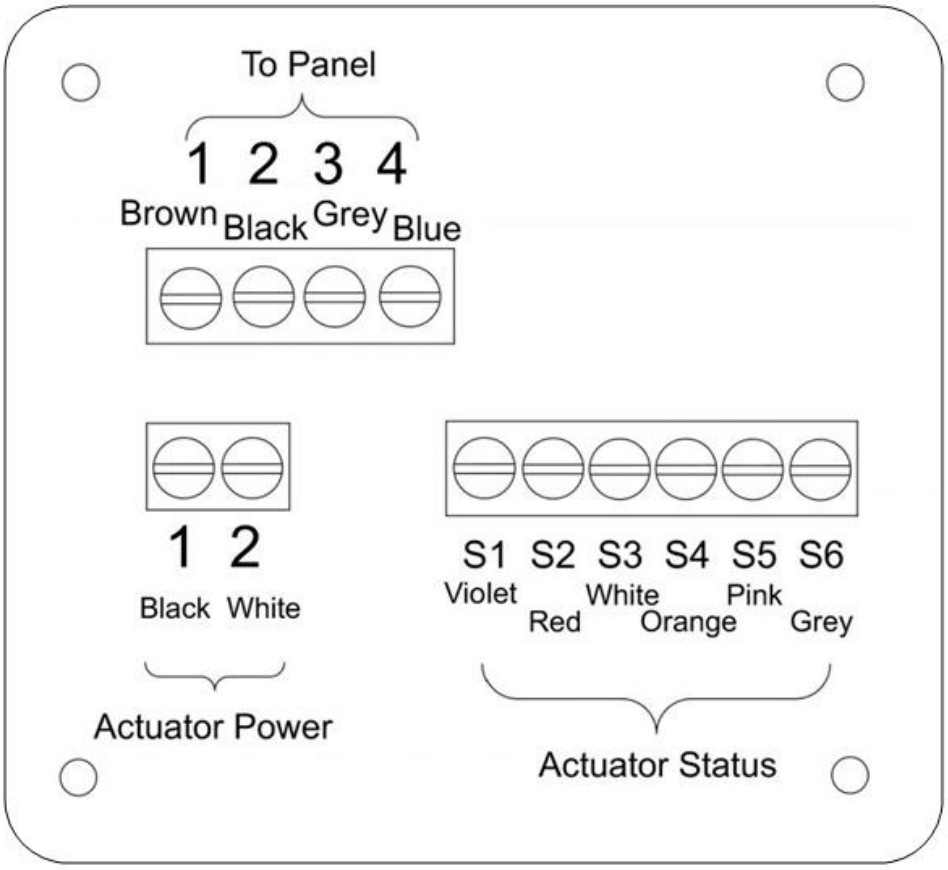

Damper
Actuator
EM JB
EM JB
EM JB
EM JB
EM JB
EM JB
EM JB
EM JB
EM JB
2 Core
Cable
Fire
Alarm
Panel
EM10
Panel
4 Core Cables
between panel and
junction boxes
DiSYS
Junction Box
(Supplied)

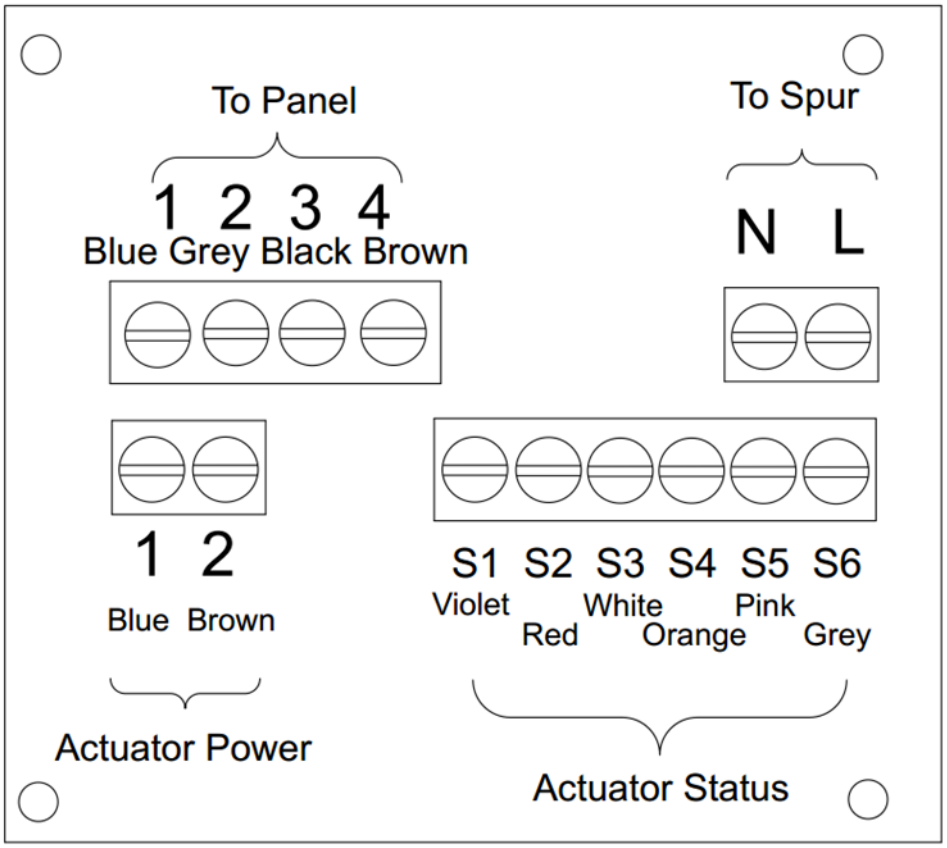
Internal Connections





EM JB 24V Connections




To Panel
1 2 3 4
Blue Grey Black Brown
To Spur
N L
1 2
Blue Brown
Actuator Power
S1 S2 S3 S4 S5 S6
Violet Red White Orange Pink Grey
Actuator Status

DISYS TECHNOLOGIES SPECIALISE IN THE MANUFACTURE OF INTELLIGENT FIRE/SMOKE DAMPER CONTROL AND MONITORING SOLUTIONS. THE DCS RANGE OF CONTROL PANELS OFFER INSTANTANEOUS REAL TIME MONITORING AND CONTROL OF DAMPERS.

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