



Combo Switch Box

SUBMITTAL DATA

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STANDARD FEATURES

The Combo Switch Box come with these standard features:

- Bright yellow face. Stands out against a black background.
- Emergency Stop switch with cover to prevent accidental access.
- On/Auto Emergency ventilation switch.
- Two ½ standard conduit openings
- NEMA 4X, UL-listed enclosure.
- CE mark, UL, CSA, CCC (Chinese), and TUV approvals
- E-stops meet EN60947-5-5, and are compliant with SEMI S2 standards
- **WARRANTY:** The Combo Switch Box shall have a standard 36-month limited warranty from the time of purchase

Switch operation

Emergency Stop

NC - Normally Closed switch – connection block color red

NO - Normally Open switch – connection block color blue

Emergency Ventilation

NC - Normally Closed switch – connection block color orange

NO - Normally Open switch – connection color blue

PERFORMANCE DATA

Emergency Stop Switch

Electrical Specification

Operational Voltage			24V	48V	50V	110V	220V	440V
Operational Current	AC 50/60 Hz	AC-12 Control of resistive loads & solid state loads	10A	-	10A	10A	6A	2A
		AC-15 Control of electromagnetic loads (> 72VA)	10A	-	7A	5A	3A	1A
	DC	DC-12 Control of resistive loads & solid state loads	10A	5A	-	2.2A	1.1A	-
		DC-13 Control of electromagnets	5A	2A	-	1.1A	.6A	-

Mechanical Specification

Recommended Terminal Torque	Wire		Number of wires	Recommended Tightening Torque (Nm)
	Solid Wire	∅0.5 to 1.6 mm (AWG14 to 22)	2	1.0 to 1.3
		∅1.7 to 2.0 mm (AWG12)	1	1.2 to 1.3
	Stranded Wire	0.3 to 2.0 mm ² (AWG14 to 22)	2	1.0 to 1.3
		2.1 to 3.5 mm ² (AWG12)	1	1.2 to 1.3

PERFORMANCE DATA

Emergency Ventilation Switch

Electrical Specification

Operational Voltage			24V	110V	240V	380V	440V
Operational Current	AC 50/60 Hz	AC-12 Control of resistive loads & solid state loads	10A	6A	6A	2A	2A
		AC-15 Control of electromagnetic loads (> 72VA)	10A	3A	3A	1.9A	1.6A
	DC	DC-12 Control of resistive loads & solid state loads	8A	2.2A	1.1A	-	-
		DC-13 Control of electromagnets	4A	1.1A	.55A	-	-

Mechanical Specification

Recommended Terminal Torque	Wire		Recommended Tightening Torque (Nm)
	Solid Wire	1.25 to 2.5 mm ² / AWG 16 to 14	
Stranded Wire	1.25 to 2.5 mm ² / AWG 16 to 14		1.0 to 1.3

SUBMITTAL DATA

Job Name _____

Architect _____

Engineer _____

Contractor _____

Detector Designation _____

ENCLOSURE DIMENSIONS

