

## 4477

### Explosion Proof Mini Contactor Control Panel

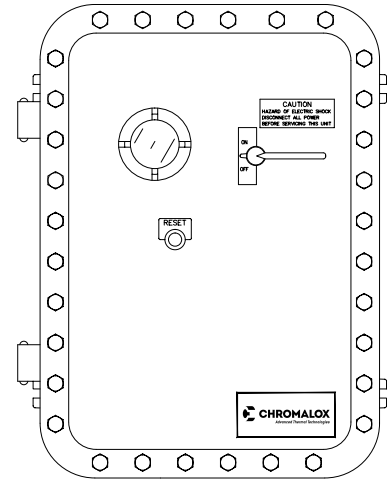
- **NEMA 7 Enclosure**
- **Suitable for Class I, Div. 1 & 2 Groups B, C & D Locations**
- **Suitable for Class II, Div. 1 & 2, Groups E, F & G**
- **Suitable for Hose Down Conditions**
- **45 or 75 Amp Contactor for Resistive Loads**
- **Temperature Controller Optional**
- **Overtemperature Control with Door Mounted Illuminated Reset Pushbutton Option**
- **Circuit Breaker Provides Fault and Circuit Protection**

#### Ordering Information

Complete the Model Number using the Matrix provided.

#### Description

The Chromalox model 4477 Panel is excellent for power control in a hazardous environment. The enclosure contains a single 45 or 75 amp 3 pole contactor, a separate thermal magnetic circuit breaker, optional temperature and overtemperature control, an optional window for viewing the controller, and a door mounted, illuminated reset pushbutton for the overtemp circuit. NEMA 7/4 rating of the enclosure is suitable for Class I, Div. 1 & 2, Group B, C & D.



#### Model

**4477 Three Phase MINI Explosion-Proof Contactor Power Control Panel - Class I, Division II**

#### Panel Configuration

Three Phase Contactor Power Control Panel. Features: Factory pre-wired for quick installation, Step-down Transformer with Primary & Secondary Fusing for 120 volt Control Circuit, NEMA 7 rated Explosion-Proof Enclosure for Indoor/Outdoor Hazardous Areas, Main Thermal Magnetic Disconnect Switch, Three-Pole Contactor for Power Switching. Options Include: Process and Hi-Limit Controllers, Panel Door Viewing Window, Enclosure Heater, and Ground Fault Monitor.

Code	Current @ 40°C (104°F) Ambient	Enclosure Dimensions
40	45 Amp	(29"H x 21"W x 9"D)
75	75 Amp	(29"H x 21"W x 9"D)

#### Code Process Controller Options

0	Terminal Block for Customer Supplied Control (Dry Contact or Solid State Switch, 120 VAC)
1	6040-RR0000 1/16 DIN Relay, Relay
2	6040-RRA100 1/16 DIN Relay, Relay, Retransmit, RS485
3	4040-RR0000 1/4 DIN Relay, Relay
4	4040-RRA110 1/4 DIN Relay, Relay, Retransmit, RS485, Remote Setpoint

#### Code Overtemperature Controller Options

0	None
1	6050-1R020 1/16 DIN Fixed 5A Relay, Relay, Digital Input
2	6050-1RA20 1/16 DIN Fixed 5A Relay, Relay, Retransmit, Digital Input
3	4050-1R020 1/4 DIN Fixed 5A Relay, Relay, Digital Input
4	4050-1RA20 1/4 DIN Fixed 5A Relay, Relay, Retransmit, Digital Input

#### Code Options

0	None
1	Ground Fault Monitor & Shutdown includes Illuminated Reset Switch
2	Enclosure Heater
3	Enclosure Door Viewing Window
4	Ground Fault Monitor & Enclosure Heater
5	Ground Fault Monitor & Enclosure Viewing Window
6	Ground Fault Monitor, Enclosure Heater, and Enclosure Viewing Window
7	Enclosure Heater and Enclosure Viewing Window

4477- 40 2 1 3 Typical Model Number

## Panel Selection Guide *(cont'd.)*

### Heat Trace Controls & Panels

Model Number	DTS-HAZ, DTS-HAZ-DC	ITC1, ITC2	ITAS-6/36	ITAS-EXT-6/36	ITLS-6/36
Mounting	Pipe or Wall	Wall	Wall or Floor	Wall or Floor	Wall & Floor
Power Control	SSR	SSR	SSR	SSR	SSR
Voltage	100-277	100-277	120-600	120-600	120-600
Max Current (1)	30 Amps per Circuit	40 Amps per Circuit	40 Amps per Circuit	40 Amps per Circuit	40 Amps per Circuit
Environment	NEMA 4X	NEMA 4X	NEMA 4 or NEMA 4X	NEMA 4 or NEMA 4X	NEMA 4 or NEMA 4X
Temp Control	Integral Controller	IntelliTRACE®	IntelliTRACE® Controller	Controlled by ITAS Base Controller	IntelliTRACE®
Phase	1 Phase	1 Phase	1 & 3 Phase	1 & 3 Phase	1 & 3 Phase
Circuits	1	1 or 2	6,12,18,24,30,36	6,12,18,24,30,36	6,12,18,24,30,36
Standard Features	Soft Start, AC or DC Alarm, Programmable Setpoint, Hi/Lo Temp. & Large Display	Soft Start, Temp., Cur- rent, Ground Fault & Sensor Monitoring & Alarms, Communications, 1 or 2 RTD inputs/Ckt, Large TFT Display	Temperature, GFEP & Current Monitoring & Alarms, Soft Start	Temperature, GFEP & Current Monitoring & Alarms, Soft Start	Temperature, GFEP & Current Monitoring & Alarms, Soft Start
Options	Wall Mounting	Ethernet IP, Wireless Communications	Main Disconnect, Enclosure Heater	Main Disconnect, Enclosure Heater	Customizable I/O Map- ping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater
Agency Approvals	UL, cUL, CE, IECEx/ATEX	UL, cUL, CE	UL, cUL (CE Optional)	UL, cUL (CE Optional)	UL, cUL (CE Optional)
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### Heat Trace Controls & Panels *(cont'd.)*

Model Number	ITLS-EXT-6/36	ITASC1D2-6/36	ITASC1D2-EXT-6/36	ITLSC1D2-6/36	ITLSC1D2-EXT-6/36
Mounting	Wall & Floor	Wall or Floor	Wall or Floor	Wall or Floor	Wall or Floor
Power Control	SSR	SSR	SSR	SSR	SSR
Voltage	120-600	120-600	120-600	120-600	120-600
Max Current (1)	40 Amps per Circuit	40 Amps per Circuit	40 Amps per Circuit	40 Amps per Circuit	40 Amps per Circuit
Environment	NEMA 4 or NEMA 4X	NEMA 4 or NEMA 4X (Class I, Div. 2)	NEMA 4 or NEMA 4X (Class I, Div. 2)	NEMA 4 or NEMA 4X (Class I, Div. 2)	NEMA 4 or NEMA 4X (Class I, Div. 2)
Temp Control	Controlled by ITLS Base Controller	IntelliTRACE® Controller	Controlled by ITASC1D2 Base Controller	IntelliTRACE® Controller	Controlled by ITLSC1D2 Base Controller
Phase	1 & 3 Phase	1 & 3 Phase	1 & 3 Phase	1 & 3 Phase	1 & 3 Phase
Circuits	6,12,18,24,30,36	6,12,18,24,30,36	6,12,18,24,30,36	6,12,18,24,30,36	6,12,18,24,30,36
Standard Features	Temperature, GFEP & Current Monitoring & Alarms, Soft Start	Temperature, GFEP & Current Monitoring & Alarms, Soft Start	Temperature, GFEP & Current Monitoring & Alarms, Soft Start	Temperature, GFEP & Current Monitoring & Alarms, Soft Start	Temperature, GFEP & Current Monitoring & Alarms, Soft Start
Options	Customizable I/O Mapping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater	Main Disconnect, Enclosure Heater	Main Disconnect, Enclosure Heater	Customizable I/O Mapping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater	Customizable I/O Mapping, Multiple Sensor Inputs per Circuit, Main Disconnect, Enclosure Heater
Agency Approvals	UL, cUL (CE Optional)	UL, cUL (CE Optional)	UL, cUL (CE Optional)	UL, cUL (CE Optional)	UL, cUL (CE Optional)
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## Panel Selection Guide *(cont'd.)*

### *Heat Trace Controls & Panels (cont'd.)*

Model Number	FPAS	FPLS	FPASM	FPLSM
Mounting	Wall	Wall	Wall	Wall
Power Control	Contactator	Contactator	Contactator	Contactator
Voltage	120, 208, 240, 277	120, 208, 240, 277	120, 208, 240, 277	120, 208, 240, 277
Max Current (1)	100/225	100/225	100/225	100/225
Environment	NEMA 4 or Optional NEMA 4X	NEMA 4 or Optional NEMA 4X	NEMA 4 or Optional NEMA 4X	NEMA 4 or Optional NEMA 4X
Temp Control	6040 (Optional)		6040 (Optional)	
Phase	1, 3 Phase	1, 3 Phase	1, 3 Phase	1, 3 Phase
Circuits	120, 208, 240 VAC Load Voltage Systems: 12, 20, 30 or 40 Circuits 277 VAC Load Voltage Systems: 18, 30 or 42 Circuits		120, 208, 240 VAC Load Voltage Systems: 12, 20, 30 or 40 Circuits 277 VAC Load Voltage Systems: 18, 30 or 42 Circuits	
Standard Features	Ground Fault Monitor, Individual Circuit Breakers	Ground Fault Monitor, Individual Circuit Breakers	Ground Fault Monitor, Individual Circuit Breakers, Sentinel Monitoring System	Ground Fault Monitor, Individual Circuit Breakers, Sentinel Monitoring System
Options	Enclosure Heater, Disconnect Switch, Temperature Controller, Z-Purge System for Class I, Div 2.	Enclosure Heater, Disconnect Switch, Z-Purge System for Class I, Div 2.	Enclosure Heater, Disconnect Switch, Temperature Controller, Z-Purge System for Class I, Div 2.	Enclosure Heater, Disconnect Switch, Z-Purge System for Class I, Div 2.
Agency Approvals	UL, cUL	UL, cUL	UL, cUL	UL, cUL
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