

## WeatherTrace

### Freeze Protection Heat Trace Panels

(cont'd.)

#### Ordering Information

To Order —  
Complete the  
Model Number  
using the Matrix  
provided.

Model	277 VAC 4-Wire							
FPLS	FPLS series Line Sensing Heat Trace Panels are designed for use in industrial Freeze Protection and Snow Melt applications. The Chromalox FPLS series offers the following standard features: NEMA 4 enclosure, Main Power on Lamp and Thermal Magnetic Branch Circuit Breakers with 30mA Ground Fault Equipment Protection. Options include: NEMA 4X 304 Stainless Steel Enclosures, Main Disconnect Switch, Enclosure Heater, and Type Z Pressurization System. The FPLS series have UL and cUL Third Party Approvals.							
	<b>Code</b>	<b>Panelboard</b>		<b>Available Breaker Poles</b>		<b>Enclosure Size HxWxD In. (cm)</b>		
	181	18 Positions (100 Amp Main Rating)		(8) 1-pole breakers		48 x 36 x 10 (122 x 92 x 25)		
	301	30 Positions (100 Amp Main Rating)		(14) 1-pole breakers		48 x 36 x 10 (122 x 92 x 25)		
	421	42 Positions (100 Amp Main Rating)		(20) 1-pole breakers		60 x 36 x 10 (152 x 92 x 25)		
	302	30 Positions (225 Amp Main Rating)		(14) 1-pole breakers		48 x 36 x 10 (122 x 92 x 25)		
	422	42 Positions (225 Amp Main Rating)		(20) 1-pole breakers		60 x 36 x 10 (152 x 92 x 25)		
	<b>Code</b>	<b>Power Source</b>		<b>Load Voltage</b>				
	1	3 Phase Power, 277/480 VAC 4-Wire		277 VAC (240 VAC Cable)				
	<b>Code</b>	<b>Enclosure Rating</b>						
	1	NEMA 4 Single-Door, Steel Wall-Mount Enclosure						
	2	NEMA 4X 304 Stainless Steel Wall-Mount Enclosure (Codes 181, 301 & 302)						
	3	NEMA 4X 304 Stainless Steel Wall-Mount Enclosure (Codes 421 & 422)						
	<b>Code</b>	<b>Branch Circuit Breaker Selection (DO NOT EXCEED MAIN RATING)</b>						
	1(*)	15 Amp 1-Pole GFI Circuit Breaker for 120 VAC load						
	2(*)	20 Amp 1-Pole GFI Circuit Breaker for 120 VAC load						
	3(*)	30 Amp 1-Pole GFI Circuit Breaker for 120 VAC load						
	<b>Code</b>	<b>Main Disconnect or Main Circuit Breaker Selection</b>						
	0	None						
		<b>Disconnects</b>						
	1	100 Amp with 25K Fault Protection (Code 181, 301 & 421 Only)						
	2	250 Amp with 35K Fault Protection						
		<b>Main Circuit Breakers</b>						
	A	30 Amp, 3 Pole Circuit Breaker						
	B	50 Amp, 3 Pole Circuit Breaker						
	C	70 Amp, 3 Pole Circuit Breaker						
	F	125 Amp, 3 Pole Circuit Breaker						
	G	175 Amp, 3 Pole Circuit Breaker						
	J	225 Amp, 3 Pole Circuit Breaker						
	<b>Code</b>	<b>Enclosure Heater</b>						
	0	None						
	1	Thermostat Controlled Enclosure Heater						
	<b>Code</b>	<b>Pressurization Control System</b>						
	0	None						
	1	Type Z Class 1, Division 2						
FPLS-	181	2	1	1(4)	1	1	0	Typical Model Number

Technical Notes: (\*) Enter number of circuit breakers in parenthesis

Note: Maximum number of circuit breakers is dependent on the panelboard size (see panelboard selection) and the current capacity of the panelboard (see table below)

277 VAC	Breaker Rating		
	Maximum Number of Breakers		
	15 Amp	20 Amp	30 Amp
100 amp Panel B	20	18	12
225 amp Panel B	20	20	20