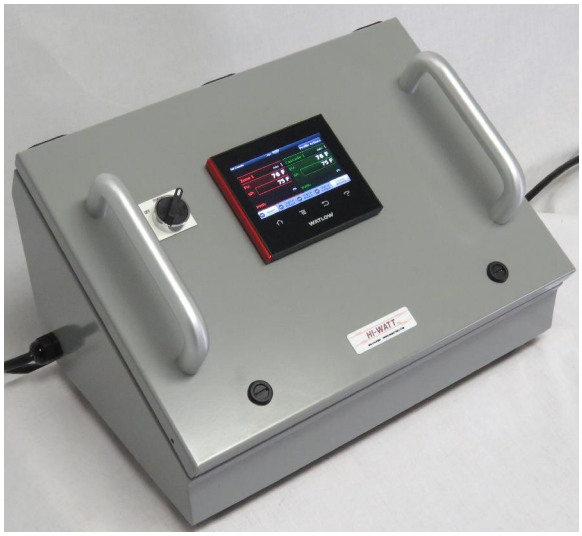
CONTROL CONSOLES



The F4TC series is an all comprehensive unit to offer multiple zones of control and data collection in one package. The F4TC series are fitted with Watlow F4T Temperature Controller that has a 4.3 inch graphical touch panel for easy control. Each zone utilizes a solid state relay for longer heater life and a lower cost than other power switching devices. The heater output connectors use a twist and lock connector. Control Consoles are available from single to four

Features

- Watlow F4T Temperature Controller
- Optional Ramp and Soak Profiling
- Optional Data Logging and Trending
- Optional Temperature Limit Control
- Pre-wired output
- Mini twist lock (NEMA ML3-15) output connection
- Miniature thermocouple input connector

Special Options

- Remote Set Point (4-20mA or 0-10Vdc)
- Digital I/O
- Alarm Outputs

Specifications

- **Controller**
  - Watlow F4T Temperature Controller
    - 4.3" Graphical Touch Panel
    - Customizable display using Watlow's Composer software
    - Field Pluggable modules make the controller modular and scalable
- **Dimensions**
  - 236 mm H x 406 mm W x 276 mm D (9.3 in H x 16.0 in W x 10.9 in D)

Output Power Switching Options

- Utilizes a solid state relay power control
- Output is powered through the line cord
- Zero cross or phase angle fire power switching available
- 120 volt systems
  - 15 amp total max. capacity fused output
- 240 volt systems, 1 or 3 phase
  - 20 amp total max. capacity fused output

Power Requirements

- 120 Volt AC, 15 Amp +10 %, -15% (NEMA 5-15 plug)
- 240 Volt AC, 20 Amp +10 %, -15%

Sensor Input

- Up to 24 Analog Inputs
- Inputs available including: thermocouple, RTD or process input (mv 0-5,0-10v, or 4-20 mA) Factory selectable input
- Miniature thermocouple, RTD jack and plug or DC connector

Output Configuration

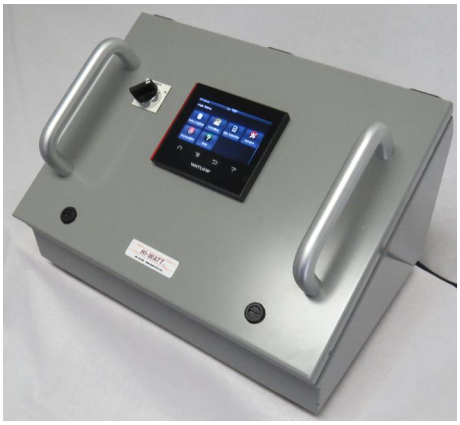
- A Mini twist and lock connector (NEMA ML-3)
- Mating connector provided

Communications Options

- Ethernet/IP Standard
- Optional RS-232/485 Modbus RTU
- External USB and Ethernet ports for data collection and communications

Operating Environment

- 0-90 percent RH, non-condensing



34271 JAMES J POMPO DRIVE ■ FRASER,MICHIGAN 48026 ■ (586) 415-9260 ■ (800) 321-8007 ■ FAX (586) 415-9265
www.hiwattinc.com

CONTROL CONSOLES

Ordering Information

F4TC - ____ ____ ____ ____ - ____ ____ ____ ____ - ____ ____ ____ ____

Control
A = F4T
B = F4T /w Trending
C = F4T /w Data Collection
D = F4T /w Trending & Data Col.
E = F4T /w Profiling & Fun Blks
F = F4T /w Profiling, Trending, Data Collection

Limits
(0-4) = Number of Limits

Control/Cascade Loops
X = Control Loops
X = Cascade Loops

Input
X = Number of Inputs
J = Type J T/C
K=Type K T/C
T = Type T T/C
R = 100 Ohm 3 wire RTD
M = Mixed Inputs
Z = Other

Outputs
X = Number of Outputs
A = Zero Cross
B = Phase Angle Fire
C = 4-20 mA
D = 0-10 volt
E = Other
G = Mixed Outputs

Output Connector
1 = Straight Blade 120 volt (NEMA 5-15)
2 = Mini Twist Lock (NEMA ML-3)
3 = Straight Blade 240 volt (NEMA 6-15)
4 = Other

Line Voltage
1 = 120 Volt AC Light Duty (15 Amp total)
2 = 240 Volt (20 Amp Total) Single Phase
3 = 240 Volt (20 Amp Total) 3 Phase

Options
00 = None
01 = RS 485 Communications
02 = Other

34271 JAMES J POMPO DRIVE ■ FRASER,MICHIGAN 48026 ■ (586) 415-9260 ■ (800) 321-8007 ■ FAX (586) 415-9265
www.hiwattinc.com