Quick Start Guide

401-D-R-R-x Programmable PID Controller

Heat - Cool - Alarm

GETTING STARTED

- Unpack Contents
- Verify model numberand application
- Power Controller
- Program for yourapplication

Note

Change all menu parameters by using the front panel buttons





1 What's Included





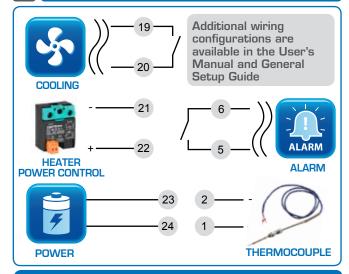
- 48x48 DIN 401-D-R-R-x
 Gefran Controller
- Mounting Bracket
- Panel Sealing Gasket
- Screw Terminal Cover
- Multi-Language Manual

2 Program Your Gefran Controller

- Press and hold (F) until InP appears
- Press 🕞 once, [Lr appears ENTER 8
- Press once, LSP appears ENTER the Input Sensor number from the list
- Press repeatedly until Lo.5* appears ENTER the minimum Input Scale limit
- Press **(5)** once, $\mathcal{H}: \mathcal{S}^*$ appears ENTER the maximum Input Scale limit.
- Press F repeatedly until Lo.L* appears ENTER the minimum Alarm Scale limit
- Press f E once, $\mathcal{H}:L^*$ appears ENTER the maximum Alarm Scale limit
- Press and hold (a) until (b) appears
- Press (F) repeatedly until, r.a.2 appears ENTER!
- Press f once, r.a.3 appears ENTER 2
- Press and hold (a) until (F) appears
- Press and hold until you return to the main process display. This is the display after \$995 and will be indicated by the Process Variable if an input sensor is connected, or \$550, \$600, \$1
- Press once from the main display,_5P, appears to adjust the control setpoint (SV).
- Press lacksquare twice from the main display, \mathcal{H} L. lappears to adjust the Alarm 1 setpoint.
- Press 🕞 twice to return to the main display.
- Press the () button to switch between automatic and manual control modes from the main display. The deviation LEDs () will flash while in manual mode.

* Parameter may be left at default value for input types 0...37

3 Connect Your Controller



If needed, automatic tuning (Self-Tune) can be enabled with the following steps

With the machine at ambient temperature and the control setpoint (SV) set..

- Press and hold 🕞 until 💯 appears
- Press (F) once, 5. Tu appears ENTER 2
- Press 🕞 once
- Cycle power to the controller
- Cycle power to the controllerThe right-most decimal point will light during the tuning process

Self-Tune will automatically save new PID values once complete

This Quick Start Guide provides basic information on setting up the Gefran 400 controller for the application referenced above. Additional software and hardware configuration information can be found in the User's Manual included with this controller or online at www.gefran.com



Input Sensor

3 TCK°F

4 TCR°C

6 TCS°C

7 TCS°F

8 TCT°C

TC R °F

30 PT100 °C

31 PT100 °F

32 JPT100 °C

34 PTC °C

35 PTC °F

36 NTC °C

37 NTC °F

44 4...20 mA