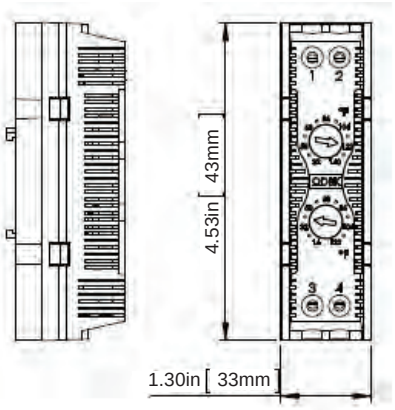
FGDT Series: DualStat

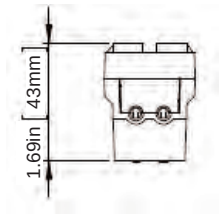
The FGDT DualStat has 2 separate thermostats within one housing. These can be used for independent control of heating and cooling equipment.
The FGDT DualStats have an adjustable temperature setting and the housing has mounting features for attachment to DIN rail (EN 60715).

Heating Control - identified by a Red dial, this is a normally closed thermostat that opens on temperature rise.

Cooling Control - identified by a Blue dial, this is a normally open thermostat that closes on temperature rise.

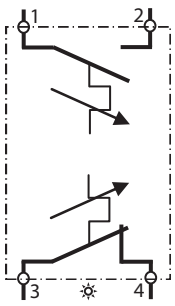
Design Drawings





Thermostat Type		Snap Action—Bimetallic Thermostat
Voltage	Vac	100-250
Vdc		12-24
Current Rating	at 250Vac	16
at 110Vac		15
at 24Vdc		2.5
at 12Vdc		5
Hysteresis	°F/K	12.6 ±7 / 7 ± 4
Switching cycles	at 100-250Vac	100,000
Degree of enclosure protection		Type 1 (IP20)
Protection Class		II
Dimensions	LxWxH inches/mm	4.5x1.3x1.69 / 115x33x43
Operating Temperature	°F/°C	-4 to +176 / -20 to +80
Storage Temperature	°F/°C	-40 to +176 / -40 to +80
Connection		2 x 2pole terminals Max clamping torque 4.5 in. lb 14-22 awg

Part No.	Upper Thermostat (Terminals 1 - 2)		Lower Thermostat (Terminal 3 - 4)	
FGDT2100	NO—close on rise	0 to +60°C	NC—open on rise	-10 to +50°C
FGDT2101	NO—close on rise	+32 to +140°F	NC—open on rise	+14 to +122°F
FGDT2200	NC—open on rise	-10 to +50°C	NC—open on rise	-10 to +50°C
FGDT2201	NC—open on rise	+14 to +122°F	NC—open on rise	+14 to +122°F
FGDT2300	NO—close on rise	0 to +60°C	NO—close on rise	0 to +60°C
FGDT2301	NO—close on rise	+32 to +140°F	NO—close on rise	+32 to +140°F



Circuit Diagram representative of FGDT2100/2101, switch types will change for other models

DBK's knowledge of thermal management gives us the experience to guide and support you with your technical challenges - we can manage the complete project from concept to full production release.