

# FINE CONTROLS (UK) LTD



Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

We offer a full range of valve & instrumentation products & services, with our product range representing leading technologies & brands:

**Flow:** Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

**Temperature:** Temperature Probes & Thermowells, Temperature transmitters, Temperature Regulators & Temperature Displays

**Level:** Level Transmitters & Switches

**Pressure:** Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

**Precision Pneumatics:** Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

**Valves:** Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

**Services:** Repair, Calibration, Panel Build, System Design & Commissioning

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**FAIRCHILD**



**bürkert**



**SIEMENS**



**alcon**  
SOLENOID VALVES

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**MIDLAND-ACS**  
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**Honeywell**



**Bourdon**  
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CONTROLS

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## BATTERY TRICKLE CHARGER

The Battery Trickle Charger provides an uninterrupted power supply for electrical fire protection applications. It holds valves open while generators come on line.

### Features

Integrated circuit regulator device for reliable operation and voltage accuracy;

- Battery circuit monitoring
- Charger fault monitoring
- Remote fault outputs
- LED indications of voltage
- Low voltage cut out relay for battery protection
- Battery charging current limiting
- Electronic fault indication
- Battery fault indication
- Battery disconnected indication
- Solid state construction

### Technical Specification

- Battery charger unit
- BCU 24-50-2 preliminary technical specification
- Normal 24 volts DC 5 amps

### Performance Characteristics

- Nominal charging voltage 27.6 volts (at 20°C)
- Low voltage cut out 23V DC
- Off load Voltage 27.6 DC
- Maximum continuous load 5 amps
- Maximum load maintainable for up to 4 hours
- Operating temperature range -10°C to +70°C

### Temperature Compensation

To ensure maximum battery life, it is important that sealed lead acid batteries are charged at the correct voltage for the ambient temperature, the BTC 2003 MKII has this feature built in.



24vDC Long Back Up



24vDC

### Cabinet Details

- 400mm high, 400mm wide, 200mm deep
- Space for up to 38 AHR sealed lead acid batteries
- 18 SWG mild steel cabinet, epoxy powder coated