

The DEETER Group®

SPC-701, SPC-704 Set Point Controller



Features

- Adjustable Setpoint Controller
- Analog Input
- Form C Relay Outputs
- Analog Output

SPC-701

- One Adjustable Setpoint
- Snap Track Mount or DIN rail mount
- DC Power In
- Feed Through Sensor Excitation power
- WAGO Press Terminal Blocks

SPC-704

- Four Adjustable Setpoints
- DIN Rail Mount
- AC or DC Power In
- Sensor Excitation Power
- Removable Terminal Blocks

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk

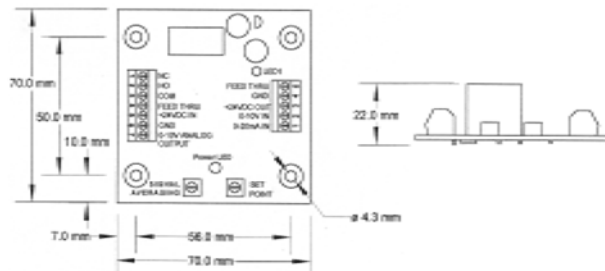


www.deeter.co.uk

The DEETER Group®

SPC-701, SPC-704 Set Point Controller

The SPC-701 and SPC-704 are adjustable setpoint controllers with 1 or 4 setpoints. The setpoints are independently adjusted, with each having a Form C relay output. The controllers can be used with any sensor or device that produces 0-20mA, 4-20mA, 0-10V, or 2-10V analog output. The SPC-701 and SPC-704 will work with all our analog output sensors. Besides the relay outputs, there is also a 0-10V analog output. This analog output can be used to drive a meter or other analog drive controls. The analog output can also feed another SPC-701 or SPC-704 to provide additional setpoints. The SPC-704 has a built-in power supply that can provide 24VDC excitation power at 150mA to drive input sensors. The SPC-701 and SPC-704 have a signal averaging potentiometer that controllers have easy to view bright LEDs that show the relay and Power On status. The relay outputs can handle up to 3 amps. The SPC-701 setpoint controller can be mounted on Snap Track, DIN Rail (with optional DIN Rail mounting bracket, Part #7942742) or four studs. The terminal blocks are press to open for easy wiring. The SPC-701 is powered by 24VDC. There is an isolated feed thru path across the board that can be used as a wiring aid. The SPC-704 setpoint controller is DIN rail mountable. The terminal blocks are removable for easy wiring. The SPC-704 can be powered by either 115VAC, 230VAC 50/60Hz or 24VDC. Mechanically, the SPC-704 is made out of sturdy (UL 94) approved materials.



Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk

The **DEETER** Group®

SPC-701, SPC-704 Set Point Controller

Specifications for SPC-701

1. Input: 24VDC, @ 30 mA with no sensor, 230mA maximum with sensor
2. Excitation Power: 24VDC, @ 200mA (maximum)
3. Analog Input: 0-20mA, 4-20mA, 0-10VDC, 2-10VDC
4. Signal Input Resistance: (Voltage Input 100K Ohms) (Current Input 250 Ohms)
5. Set Point Range: (0-10VDC) (0-20mA)
6. Set Point Hysteresis 1%
7. Signal Averaging (Voltage Input 0-1s per Volt) (Current Input 0-.5s per mA)
8. Analog Output: (0-10VDC load 1K to infinity)
9. Relay Contacts: (Resistive Load, 2A@277AC and 3A@ 30VDC/125VAC)
10. Relay Contacts: (Inductive Load, 1A@125VAC)
11. Relay Switching: (Min. Current 10mA) (Max. Voltage 30VDC/277VAC)
12. Operating Temperature Range: -25° to 70° C or -13° to 158°F
13. Humidity: 0 to 95% Non-Conducting

Terminals

Sensor Connections

1. 0-20mA In
2. 0-10V In
3. 24VDC (Sensor Power)
4. GND (Sensor Ground)
5. Feed Thru

Relay / Power Connections

1. N.C. Relay Contact
2. N.O. Relay Contact
3. COM Relay Contact
4. Feed Thru
5. 24VDC (Power In)
6. GND (Power Ground)
7. 0-10V Analog Out

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

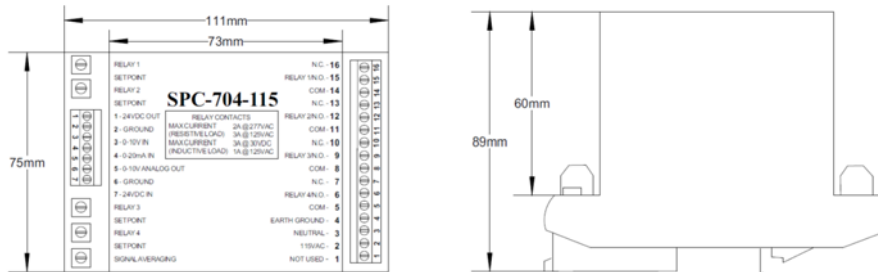
Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk

The DEETER Group®

SPC-701, SPC-704 Set Point Controller



Specifications for SPC-704

1. Power Input: 115VAC, 230VAC 50/60 Hz @ 9VA or 24VDC @ 225mA
2. Excitation Power: 24VDC @ 150mA
3. Analog Input: 0-20mA, 4-20mA, 0-10V, 2-10V
4. Signal Input Resistance: (Voltage Input 100K Ohms) (Current Input 250 Ohms)
5. Set Point Range: (0-10VDC) (0-20mA)
6. Set Point Hysteresis 1%
7. Signal Averaging: (Voltage Input 0-1s per Volt) (Current Input 0-.5s per mA)
8. Analog Output: (0-10VDC load 1K to infinity)
9. Relay Contacts: (Resistive Load, 2A@277VAC and 3A@ 30VDC/125VAC)
10. Relay Contacts: (Inductive Load, 1A@125VAC)
11. Relay Switching: (Min. Current 10mA) (Max. Voltage 30VDC/277VAC)
12. Operating Temperature Range: -20 to 55°C or -4 to 131°F
13. Humidity: 0 to 95% Non-Conducting
14. Enclosure: Thermoplastic (UL 94 V2 and V4 material)

Terminals

Sensor Connections

1. 24VDC (Sensor Power)
2. GND (Sensor Ground)
3. 0-10V In
4. 0-20mA In
5. 0-10V Analog Out
6. GND (Power Ground)
7. 24VDC (Power In)

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk

The **DEETER** Group®

SPC-701, SPC-704 Set Point Controller

Relay / Power Connections

1. Not Used
2. 115VAC or 230VAC (Power In)
3. Neutral
4. Earth Ground
- 5-16. Relay Connections

Ordering Code

Part Number	Description
SPC-701	Setpoint Controller, 1 Adjustable Output
SPC-704-115	Setpoint Controller, 4 Adjustable Outputs, 115VAC or 24VDC
SPC-704-230	Setpoint Controller, 4 Adjustable Outputs, 230VAC or 24VDC
F24-7942742	DIN Rail Mounting Bracket
F24-7942744	DIN 3 Rail (6" section)
F24-7942746	Snap Track TR2 (6" section)

All electrical equipment should be installed by a qualified/certified electrician.

The Deeter Group follows a policy of continual development of its products and reserves the right to change specifications and/or features without notice

Deeter House
Valley Road
Hughenden Valley
Bucks HP14 4LW

Tel: +44 (0)1494 566 046
Fax: +44 (0)1494 563 961
Email: sales@deeter.co.uk



www.deeter.co.uk