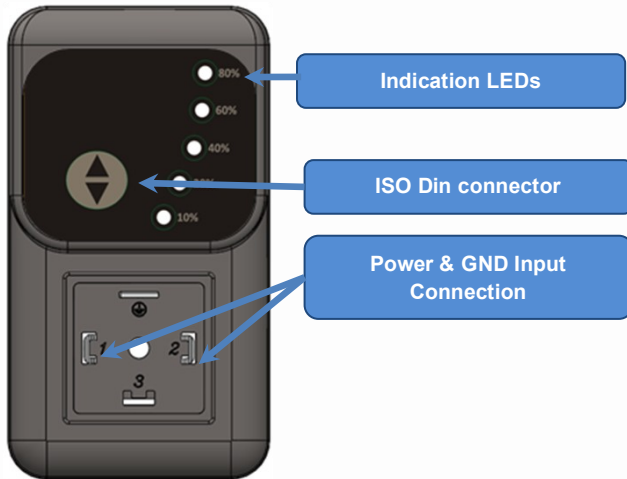




Coil Guardian 724-10-000



Indication LEDs

ISO Din connector

Power & GND Input Connection

Hit & Hold

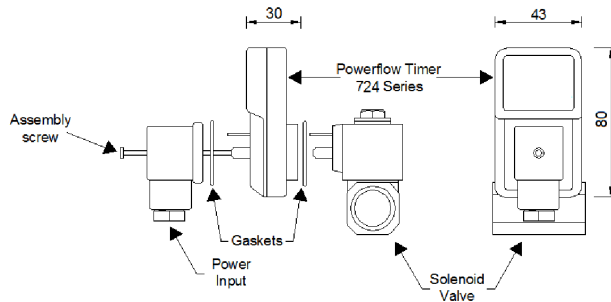
The coil guard applies the input voltage to the coil for 4 seconds and then reduces the current through pulse width modulation with nominal 22kHz switching frequency.

The 4 seconds delay are required to soft start the bulk capacitor within the current limitations as set per specification. After that the capacitor is hard connected and the pulse width modulation starts with the preset ratio.

Applications

- ◆ Sampling gas or Liquids
- ◆ Air dryers
- ◆ Effluent sampling
- ◆ Sprinkler systems
- ◆ Auto drain valve: automatic discharge of condensate
- ◆ Pneumatic vibration systems (*e.g. Powder silos*)
- ◆ Automatic lubrication systems
- ◆ Dosing systems

Technical Specification



Every effort has been taken to ensure the accuracy of this specification. However in order to maintain our technological lead we are continuously improving our products which could, without notice result in amendments or omissions to this specification. We cannot accept responsibility for damage, injury, loss or expenses resulting therein.

Specification			
Supply Voltage	11.5Vdc – 32Vdc	Power Maximum, Peak	160 Watts, (32 V input)
Operating Temp.	-40 to 85°C	Power Maximum, Avg	26.6 watts, (10% input tol.)
Output Current @ 25°C TA		Quiescent Supply Current	<50mA max (no load)
Continuous Current	1.5A max	Reverse Polarity Protection	Reverse polarity protected (non-operational)
Peak Pulsed (16ms)	4.7A max	Short Circuit Protection	Coil Failure Protection
I min (±20%)	50 – 150mA	Enclosure	IP-65
I max (±20%)	I min + 1.0A max	Input	DIN 46350-A / ISO 4400
		Output	DIN 46350-A / ISO 4400

