Electronic Drain Valve 790

Installation & Maintenance Instructions for the Electronic Drain Valve

The timer controlled drain valve is designed to automatically remove condensate from compressed air systems such as air compressors, compressed air dryers and air receiver applications up to 16 bar.

The condensate can be drained in any interval in between the adjustable time cycles of 0.5 to 99 mins. The draining time can be set between 0.1 to 99 seconds.

Features:

- Does not air-lock during operation
- Microswitch "Test" feature to operational readiness
- UL certified timer
- RoHS3 compliant

Technical Specification

Timer		
Model	XY-790H	
Interval Time OFF state	0.5 - 99 minutes	
Discharge Time ON state	0.1 - 99 seconds	
Test switch	Digital	
Supply Voltage	110~220V AC/DC ±10%	
Power	AC/DC 50Hz/60Hz	
Current Consumption	Max. 10mA	
Operating Temperature	-20°C to +60°C	
Environmental protection	IP65 EN60529 NEMA 4	
Case Material	ABS plastic FR grade	
Connection	DIN 43650A ISO 4400/695	
Output	MOS	
LED Indicators	On = valve open; Flashing = changing settings	
Mounting	Upright	

Timer		
Model	XY-790L	
Interval Time OFF state	0.5 - 99 minutes	
Discharge Time ON state	0.1 - 99 seconds	
Test switch	Digital	
Supply Voltage	7~36V AC/DC ±10%	
Power	AC/DC 50Hz/60Hz	
Current Consumption	Max. 20mA	
Operating Temperature	-20°C to +60°C	
Environmental protection	IP65 EN60529 NEMA 4	
Case Material	ABS plastic FR grade	
Connection	DIN 43650A ISO 4400/695	
Output	Relay	
LED Indicators	On = valve open; Flashing = changing settings	
Mounting	Upright	

Valve		
Model	CS-720W	
Туре	2/2 way direct acting valve	
In/Out Ports	G1/8", G1/4", G3/8", G1/2" ISO 228	
Max. Working Pressure	16 bar	
Operating Temperature	-20°C to +120°C	
Media Temperature	Up to +160°C	
Valve Body	Brass HPb59	
Environmental Protection	IP65 EN60529 NEMA 4	
Seal Material	NBR / Viton	
Supply voltage*	24~220V ±10%	
Supply power	AC/DC 50Hz/60Hz	
Mounting	Any position	

*See coil for the correct supply voltage

Part No	Size	Size	voitage	limer
790-01AC220	G1/8"	G1/2"	220V AC	XY-790H
790-02AC220	G1/4"	G1/2"	220V AC	XY-790H
790-03AC220	G3/8"	G1/2"	220V AC	XY-790H
790-04AC220	G1/2"	G1/2"	220V AC	XY-790H
790-01AC110	G1/8"	G1/2"	110V AC	XY-790H
790-02AC110	G1/4"	G1/2"	110V AC	XY-790H
790-03AC110	G3/8"	G1/2"	110V AC	XY-790H
790-04AC110	G1/2"	G1/2"	110V AC	XY-790H
790-01DC24	G1/8"	G1/2"	24V DC	XY-790L
790-02DC24	G1/4"	G1/2"	24V DC	XY-790L
790-03DC24	G3/8"	G1/2"	24V DC	XY-790L
790-04DC24	G1/2"	G1/2"	24V DC	XY-790L
790-01AC24	G1/8"	G1/2"	24V AC	XY-790L
790-02AC24	G1/4"	G1/2"	24V AC	XY-790L
790-03AC24	G3/8"	G1/2"	24V AC	XY-790L
790-04AC24	G1/2"	G1/2"	24V AC	XY-790L

Inlet Port Outlet Port

Service Parts		
Timer 110 -220V	XY-790H	
Timer 24V	XY-790L	
Coil AC	SB256-0543	
Coil DC	SB257-0545	
Valve	CS-720W	
Strainer	CS-S95	
Connector	SB201-1	

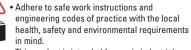


• A competent the instruct long-lasting

 A competent professional must strictly adhere the instructions herein to ensure safe and long-lasting use of this product.

• The manufacturer will not be held liable for any damages resulting from improper use.

WARNING

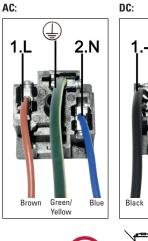


- This product is intended for use in industrial compressed air systems only.
- Prevent unintentional operational of the product or damage to it.
- Always depressurise the system before maintenance work is carried out
- DO NOT install in applications where pressures and temperature exceed the technical specification.
- DO NOT attempt to disassemble this product or lines in the system whilst they are under pressure.



WARNING

• When using DC (Direct Current), the positive pole (+) should be connected to connector 1.











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