

# EXD-U00 UNIVERSAL DRIVER MODULE

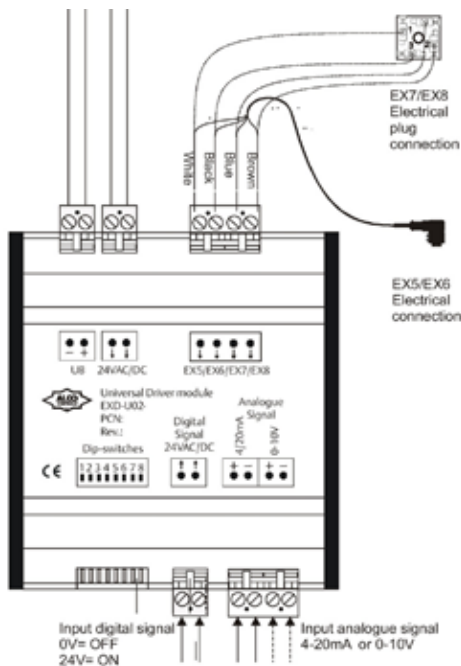
The EXD-U00 driver module is for the EX-5 through 8 electronic control valves. The driver module contains all required algorithms, hardware and software the only requirements are an analog 4-20 mA or 0-10 V signal.

Configured to operate as a:

- Solenoid Valve
- Electronic Expansion Valve
- Hot Gas By-pass
- Evaporator Pressure Regulator
- Crankcase Pressure Regulator
- Head Pressure Control
- Liquid Level Control
- Liquid Injection Valve

## FEATURES AND SPECIFICATIONS

- ☆ Automatic operation directly proportional to input signal no parameter setting required
- ☆ Easy configuration by dip switches
- ☆ For use with CFC's, HCFC's and HFC's not for use with ammonia
- ☆ Maximum flexibility with reduced inventory
- ☆ DIN rail mounted aluminum housing



### Typical Package for Evaporator Pressure Regulator

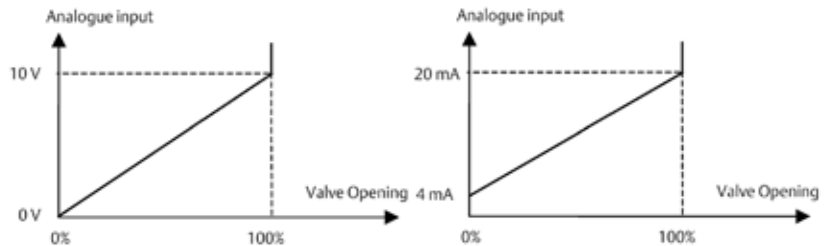
Universal Driver Module	EXD-U00	804 557
Terminal kit for EXD-U00	K09-U00	804 559
Transformer	ECT-523	804 332
Uninterruptible Power Supply	ECP-024	804 558
Terminal kit for ECP-024	K09-P00	804 560
Electronic Stepper Valve	EX-5	800 600
EX Cable and Connector	EX5-N60	804 652



EXD-U00

## Function

The driver module requires an analog input signal 4 - 20 mA or 0 - 10 V. The output is the closing/opening of EX-5 through 8 and consequently the control of refrigerant liquid or vapour mass flow in accordance with the analog input. The universal driver module can be connected to any controller which can provide the specified analog signal (4-20 mA or 0-10 V) This gives extreme flexibility to retrofitting systems to achieve different functionality utilizing an existing controller.



## Configuration

Driver module can be configured via Dip-switches

Dip-switch number	Achievable function						
	EX5/EX6 operation	EX7 operation	EX8 operation	4-20 mA Analogue input signal	0-10V Analogue input signal	With start mode	Without start mode
1	OFF	ON	ON	-	-	-	-
2	ON	OFF	ON	-	-	-	-
3	ON	OFF	OFF	-	-	-	-
4	OFF	ON	ON	-	-	-	-
5	ON	OFF	ON	-	-	-	-
6	OFF	ON	ON	-	-	-	-
7	-	-	-	-	-	ON	OFF
8	-	-	-	OFF	ON	-	-

## Uninterruptible Power Supply ECP-024

In the event of a power loss an electronic valve is not able to drive closed and will remain in the position at time of failure. Because of this there is a likely potential for the refrigerant to migrate, which may result compressor failure. The ECP-024 is a simple and reliable solution to drive the valve closed and prevent the harmful effects of migration.

## FEATURES AND SPECIFICATIONS

- ☆ Two outputs for separate drivers or controllers
- ☆ 24 VAC input
- ☆ reliable power source in event of power failure



ECP-024