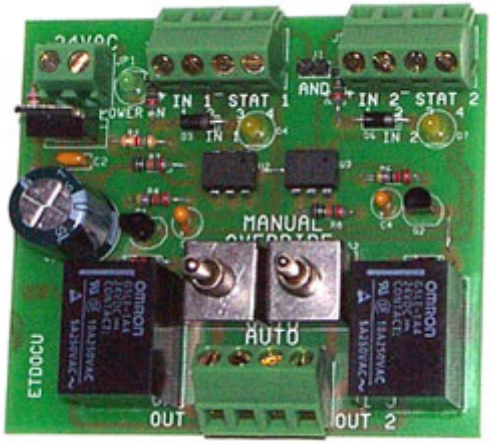
ELKOR

ETDOC

RELAY INTERFACE w/ H-O-A

FEATURES:

- Two Optically Isolated relay outputs.
- Manual Output Override with position monitoring (ETDOC-U).
- Compact Size, Easy Wiring.
- LED indication for output and power supply status.
- Low cost, ideal for Energy Management Applications.



APPLICATION:

The ETDOC provides two 5A rated relay outputs that can be driven by a low voltage, low current control device. Two 5A rated toggle switches provide H-O-A function for each output.

The ETDOC-U model features additional outputs to allow for the monitoring of H-O-A override switch positions.

The ETDOC boards are ideal for interfacing remote HVAC equipment that may require local manual override (i.e roof top units, pumps, small fans etc.).

SPECIFICATIONS:		
	ETDOC-2	***ETDOC-U***
Power:	24 VAC, less than 2 VA	
Input:	10 VDC, maximum 15mA	8 to 24 VDC or VAC, 8mA @10VDC
Output:	two independent relays; 5A @ 125 V	
	SPDT contacts	SPST-NO contacts
Isolation:	1500 V minimum (input-output). Isolated power supply (ie: control transfomer) must used for full isolation.	
Indication:	Output relay status (yellow LED) Power ON (green LED); HAND or OFF override mode - closed dry contact	
Dimensions:	W=2.75" ; L=3.2", boards mounts in TR-2 snap-track (provided).	

PRODUCT DESCRIPTION:

The **ETDOC-2** is a two channel board that contains two independent SPDT (Form C) relays activated by any 10VDC, low current control device (i.e. standard DDC Digital Output points). The ETDOC offers includes manual override switches that provide the H-O-A function. The ETDOC-2 inputs are optically isolated and, if powered by a dedicated 24 VAC transformer, this board may help eliminate ground loop problems.

The **ETDOC-U** is similar to the ETDOC-2 model but it accepts any input voltage signal ranging from 8V to 24V, both DC or AC. This model offers two SPST (N.O.) outputs. It also features a provision for remote monitoring of the H-O-A switches. The auxiliary contact of each switch is used to provide its status information. The contact is closed only in the 'Auto' position and terminated at a separate connector. The on-board jumper allows for separate or joined (AND function) monitoring of both switches position.

The boards are equipped with angular connectors for fast and easy wiring. They mount in a plastic molded snap-track (provided).

ORDERING INFORMATION:

ETDOC-2 : 10 VDC input, SPDT (Form C) contacts
ETDOC-U : 8-24 V AC/Dc, SPST-NO contacts, status indication