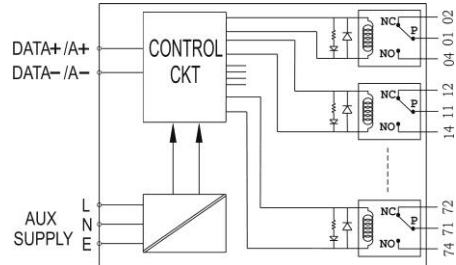
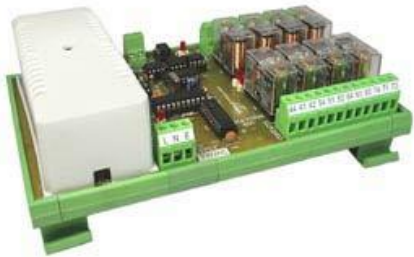


## MODBUS I/O MODULES

<b>ABOUT</b>	<ul style="list-style-type: none"> <li>Cost effective expansion of existing PLC system.</li> <li>Cost effective control of remote field devices.</li> <li>Control of field devices from personal computer.</li> <li>Data acquisition.</li> </ul>	
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>Supports MODBUS RTU communication protocol</li> <li>Works as slave with PLC master</li> <li>Communication over RS232/485 bus</li> <li>2.5KVAC isolation between 485 link and station circuit</li> <li>Slave address &amp; baud rate selectivity via 485 bus</li> </ul>	<ul style="list-style-type: none"> <li>Links upto 4000ft (1.2KM) long possible</li> <li>Onboard SMPS works from 90 to 270VAC</li> <li>Response time &lt; 50 millisecc</li> <li>Low cost</li> <li>35mm DIN rail mountable</li> </ul>
<b>AUX SUPPLY</b>	90 ~ 270VAC, 47 ~ 63Hz	
<b>OPERATING AMBIENT</b>	0~55°C, 85% RH	
<b>STORAGE AMBIENT</b>	-20°C to 85°C	
<b>TERMINATIONS</b>	Screw type, for 2.5mm sq. wire	
<b>MOUNTING</b>	35mm DIN Rail	

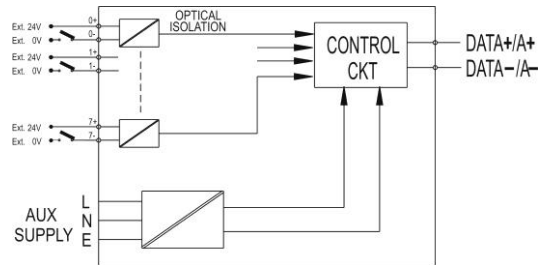
### MODELS AND SPECIFICATIONS :

#### 1. RELAY OUTPUT MODULE



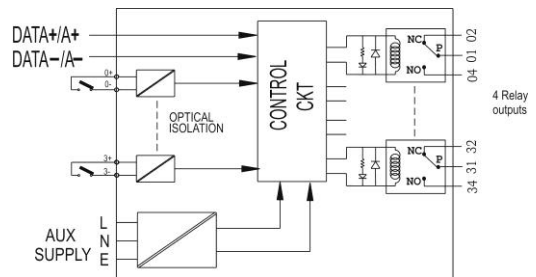
<b>DESCRIPTION</b>	This module has 8 1c/o on board relays with contacts taken out for field devices. Each relay has unique coil address which is used to force relay on/off. The coil can be made on/off individually or in combination using modbus commands.	
<b>OUTPUT</b>	8 channel, 1C/O Relays	
<b>DIMENSIONS (mm)</b>	185 (W) x 115 (H) x 80 (D)	
<b>ORDER CODE</b>	AS455-101	

#### 2. DIGITAL KEY INPUT MODULE



<b>DESCRIPTION</b>	This module has processor that continuously scans the 8 digital key inputs and sends the status of keys to master when read query from master is detected.	
<b>INPUT</b>	8 Digital Inputs	
<b>DIMENSIONS (mm)</b>	185 (W) x 115 (H) x 80 (D)	
<b>ORDER CODE</b>	AS456-101	

#### 3. COMBO MODULE



<b>DESCRIPTION</b>	This module comprises both input and output. It has 4 relay outputs and 4 digital key inputs.	
<b>INPUT</b>	4 Digital Inputs	
<b>OUTPUT</b>	4 channel, 1C/O Relays	
<b>DIMENSIONS (mm)</b>	185 (W) x 115 (H) x 80 (D)	
<b>ORDER CODE</b>	AS457-101	