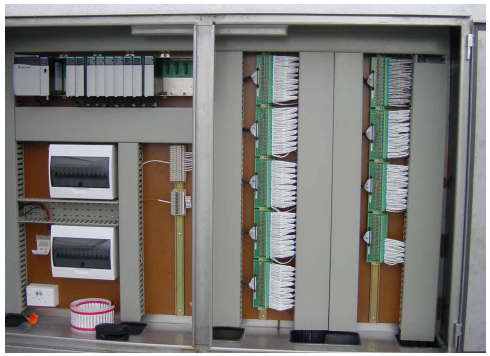
MOP-32RO Specifications

Number of Outputs	32
Module Current	5 Amps @ 24VDC
Initial Resistance @ 23 degrees C	Min 0.18 ohms Max 0.40 ohms
Thermal Dissipation	10.37 BTU/hr @ 60 degrees C
Post Trip Resistance	0.60 ohms
Normal Voltage Range	10 to 32VDC
Maximum Voltage	60VDC
Diagnostic Functions	LED indication
Termination	Spring Clamp
Mounting	DIN Rail EN50 022,35,45
Field conductor size	Solid - 0.2 to 2.5mm Flexible - 0.2 to 1.5mm AWG - 24 to 14
Environmental Conditions - Operating Temperature - Storage Temperature - Relative Humidity	 0 to 60 degrees C -40 to 85 degrees C 5 to 95% noncondensing
Dimensions (W x H x L)	77mm x 51mm x 224mm

Ordering Details

32 way Relay Output module	MOP-32RO
Ribbon Connector for 36 way swing arm	MOP-C36-t-x.x x.x denotes length in metres t denotes PLC Type



Panel assemble example

- Minimise faults
- Minimise Space
- Minimise Time
- Minimise Cost

- Maximise Protection
- Maximise Returns
- Maximise Efficiencies

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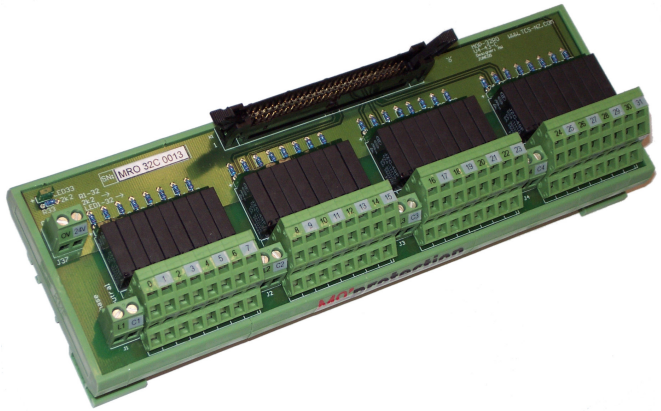
TCS [NZ] Ltd 34 The Boulevard Te Rapa
PO Box 20489 Hamilton New Zealand

P +64 7 849 7729
F + 64 7 849 2548

E sales@tcs-nz.co.nz
W www.tcs-nz.com

MOP– 32RO
230 Volt
Relay Output Module

User Manual



MOprotection™

PLC I/O Wiring System
32 way relay output module
Cat No. MOP-32RO
Document No. 722-4043-D00
Email: sales@tcs-nz.co.nz

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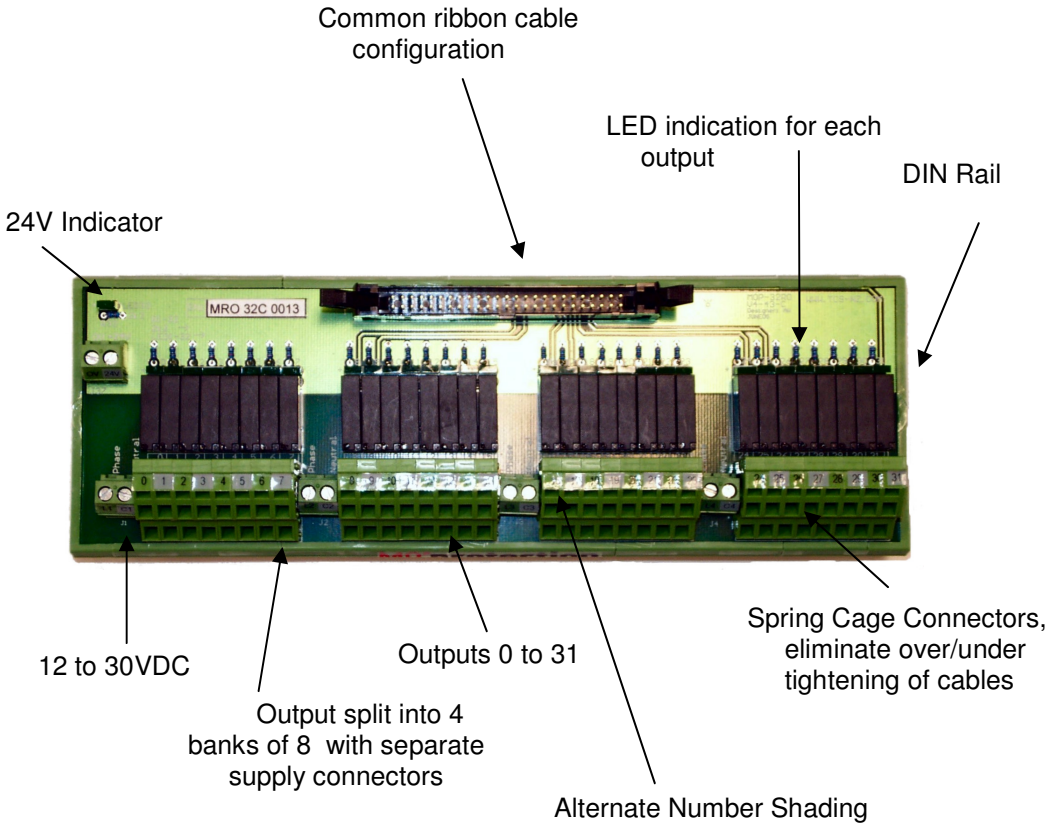
MoProtection. A PLC I/O wiring system that provides fused protection to reduce exposure from component failure that could cripple an automated plant. In addition to the increased protection this PLC I/O wiring system minimises PLC panel assembly time. It has factory assembled wiring looms and DIN rail mounted chassis.

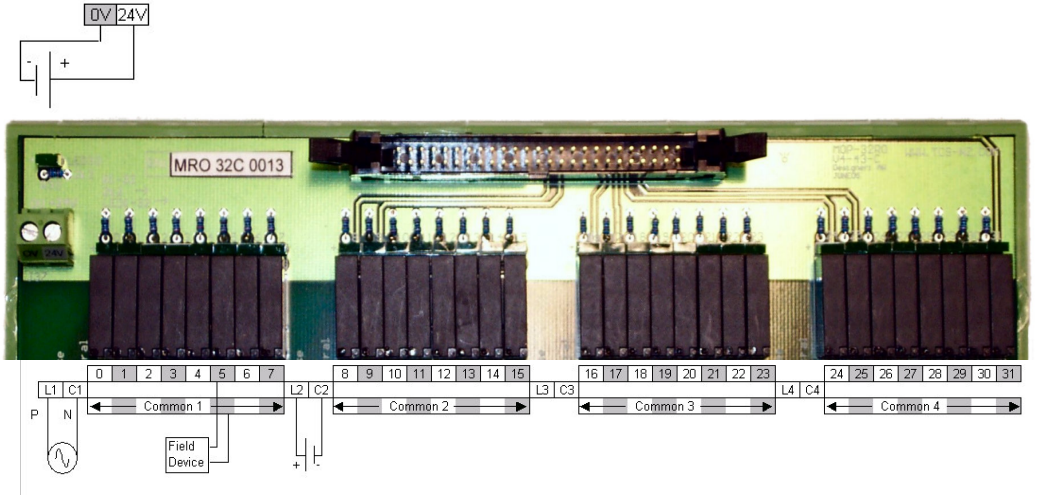
MoProtection. The most advanced PLC I/O wiring system of its type with features that will return real benefits.

Major Features

The TCS MoProtection Relay Output Module allows 4 x 8 channels of PLC I/O to turn on/off up to 230VAC loads. There is complete isolation between the 24VDC from the PLC and the 230VAC of the connected device.



Wiring and Setup Instructions



The Module

1. You can only connect wiring to the module on the terminal block. The example above shows how to wire the module
2. All terminals with the same name are connected together on the module
3. The module requires a voltage source connected to the +24 and 0V terminals and up to 230 VAC switchable at the Relay Output terminals.

Wiring the Terminal Block (TB)

Wire the TB with a 3.2mm maximum flat-bladed screwdriver

1. Strip 9.5mm maximum length of wire
2. Insert the screwdriver into the upper hole of the terminal
3. Insert the wire into the open terminal and remove the screwdriver

Note: Its is advisable to use wire ferrules

This product is designed to meet Council Directive 73/23/EEC low voltage, by applying the safety requirements EN 61131-2.

This equipment is classified as open equipment and must be installed (mounted) in an enclosure during operation as a means of providing safety protection.

PLC to module Wiring Assembly

Note: PLC terminal block is not included with the ribbon cable as the terminal block is dependent on the PLC make and the module type