Rotary Interface
Networkable, feature rich, attractive user interface

The Rotary is a fully networkable BACnet MS/TP user interface, with easy to configure menus which allows its application to range from a simple set point adjuster to a complete control interface.

Providing in-built temperature and humidity monitoring as standard, CO_2 monitoring can also be added, with all parameters being exposed over BACnet. The display can be configured to show any combination of these parameters.

User experience is at the heart of the Rotary Interface. With its rotating dial, easy-to-navigate menus and push-to-select function, the end user will find the Rotary very intuitive to use.

Display options, with a choice of control parameter menus, are configured easily via BACnet or locally at the device itself, allowing the Rotary to be quickly configured to suit your application.

KEY FEATURES:

• Quick and simple interface configuration
• Range of applications from set point adjust only to full FCU user interface
• Full colour LCD display
• Gen 3 enclosure and new rotating dial
• Monitor CO2, temperature & humidity via BACnet
• Excellent user experience, with simple to navigate menus
• HALO indication
• Direct connection to Titan's 710 controllers

FEATURES INCLUDE

High End Aesthetics

The Gen 3 housing, combined with the integrated rotating dial and full-colour LCD display, delivers an intuitive user experience with modern, high-end aesthetics.

Multiple Applications

The Rotary is easily configurable for your needs. Select which monitoring parameters to show on the full colour display and enable any combination of interface features such as set point adjust, fan speed and mode selection.

Dual Communications

Connect directly to the Titan TP-C-710 controllers or use as a stand-alone BACnet MS/TP device for third party integration.

HALO Indication

The HALO LED light ring can be configured to provide tri-coloured green, yellow and red indication for CO2 levels feedback or indicate whether the control is in heating or cooling via red or blue indication.
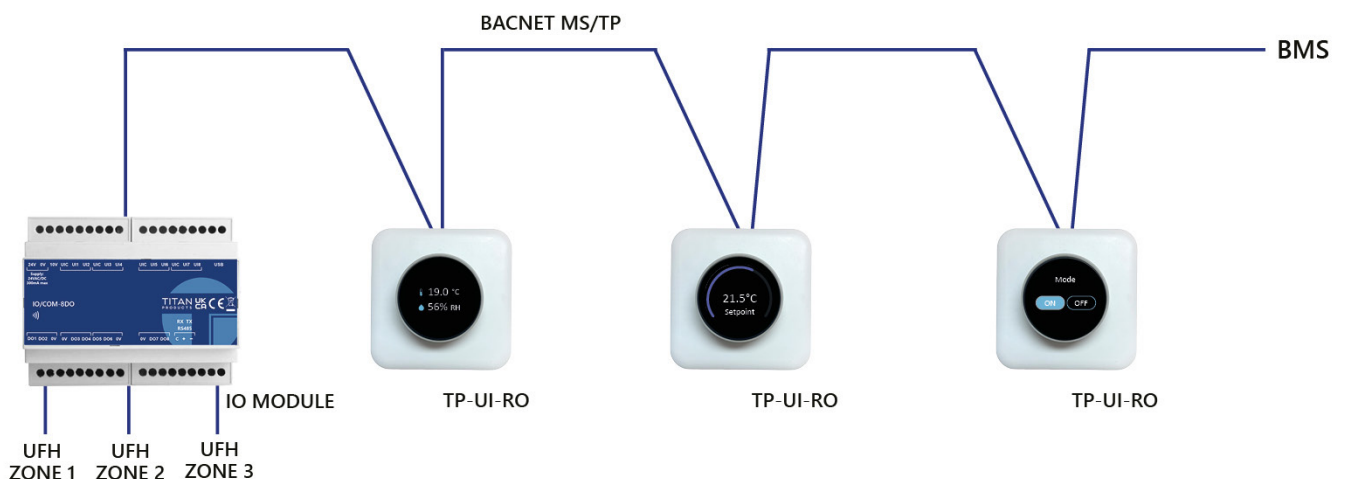
SIMPLE SETPOINT ADJUSTER

At the core of the Rotary Interface is the ability to adjust setpoints easily. When used as a BACnet device this is directly accessible to the BMS via native BACnet MS/TP communications, ensuring seamless integration and communication with existing building systems.
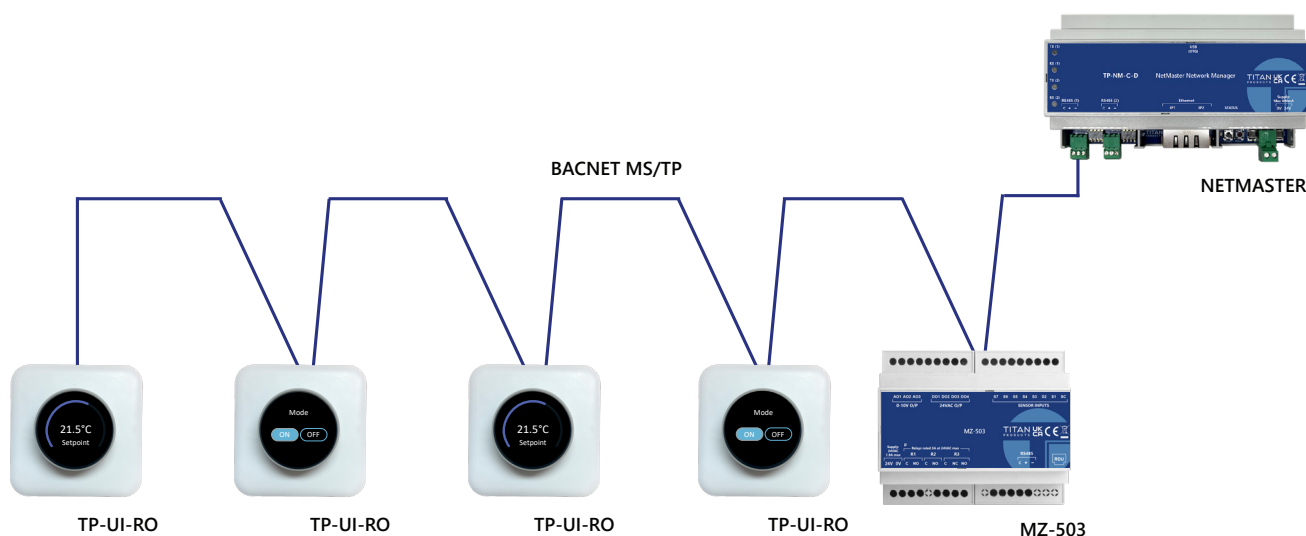

WHY NOT ADD IO?

One of the standout features of the Rotary Interface is its ability to be easily integrated into wider networks. By adding the Rotary and networkable IO, such as our BACnet Smart IO modules, to a BMS network you can quickly create basic control loops. For example, you can manage underfloor heating applications with the Rotary providing temperature monitoring along with setpoint adjust and ON/OFF run mode, with the IO providing the switched outputs to the heating systems.

BACNET MS/TP

BMS

| IO MODULE | TP-UI-RO | TP-UI-RO | TP-UI-RO |

UFH ZONE 1   UFH ZONE 2   UFH ZONE 3

OR USE WITH DEDICATED CONTROLLERS
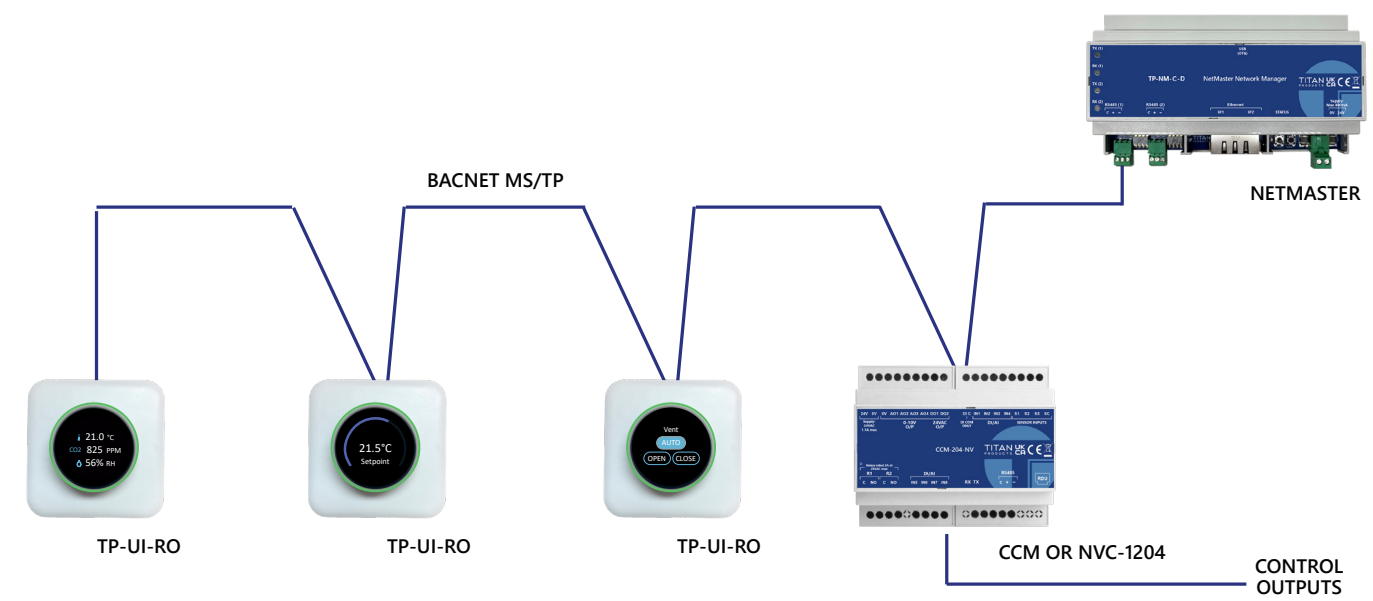## Multi-zone Heating

By mapping up to four Rotary Interfaces to a multi-zone heating controller, such as our MZ-503, via our NetMaster, or other third party network manager, you can gain full control over multiple heating zones. Environmental conditions and user adjustment parameters are mapped to the dedicated controller which will provide real-time, energy efficient control. This system creates user adjustments to setpoints and run modes, allowing the end user to turn zone control on or off as needed and adjust the required temperature.

NETMASTER

BACNET MS/TP

21.5°C Setpoint	Mode ON OFF	21.5°C Setpoint	Mode ON OFF	MZ-503
TP-UI-RO	**TP-UI-RO**	**TP-UI-RO**	**TP-UI-RO**	**MZ-503**

For Natural Ventilation

When it comes to natural ventilation, the Rotary Interface is the perfect interface option. By mapping multiple Rotary Interfaces to Natural Ventilation Controllers like our NVC-1204, the solution can provide on-demand temperature and CO2 natural ventilation control for multiple zones.
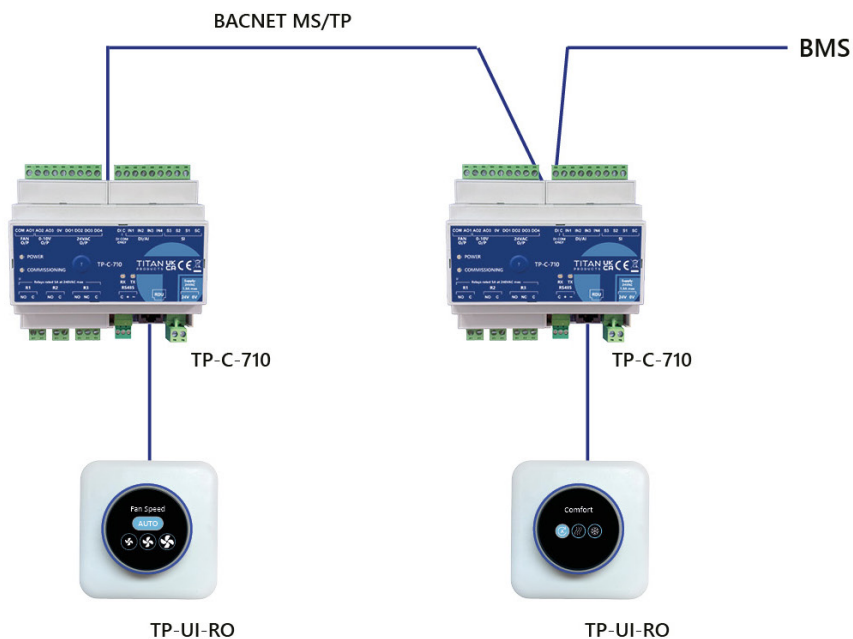
A Rotary in each zone provides the end user with a complete and intuitive single user touch point, providing setpoint adjustment and manual override of ventilation settings, along with configurable readouts of current temperature and CO2 levels. An additional feature of the Rotary is the option to use the LED HALO, which provides visual indicators of CO2 levels, offering an intuitive way to monitor air quality in real time.

Fan Coil Control

The attractive Rotary Interface is also ideal for user adjustment within fan coil systems. The Rotary can connect and power directly from the Titan TP-710 MS/TP controllers, or communicate to a BACnet network for third party integration via its inbuilt RS485 BACnet MS/TP communications.

As a fan coil interface, the Rotary allows intuitive adjustment of setpoint, fan speed, run mode and comfort mode, giving users full control over their environment. Its sleek and user-friendly design makes it an ideal choice for spaces such as commercial offices.
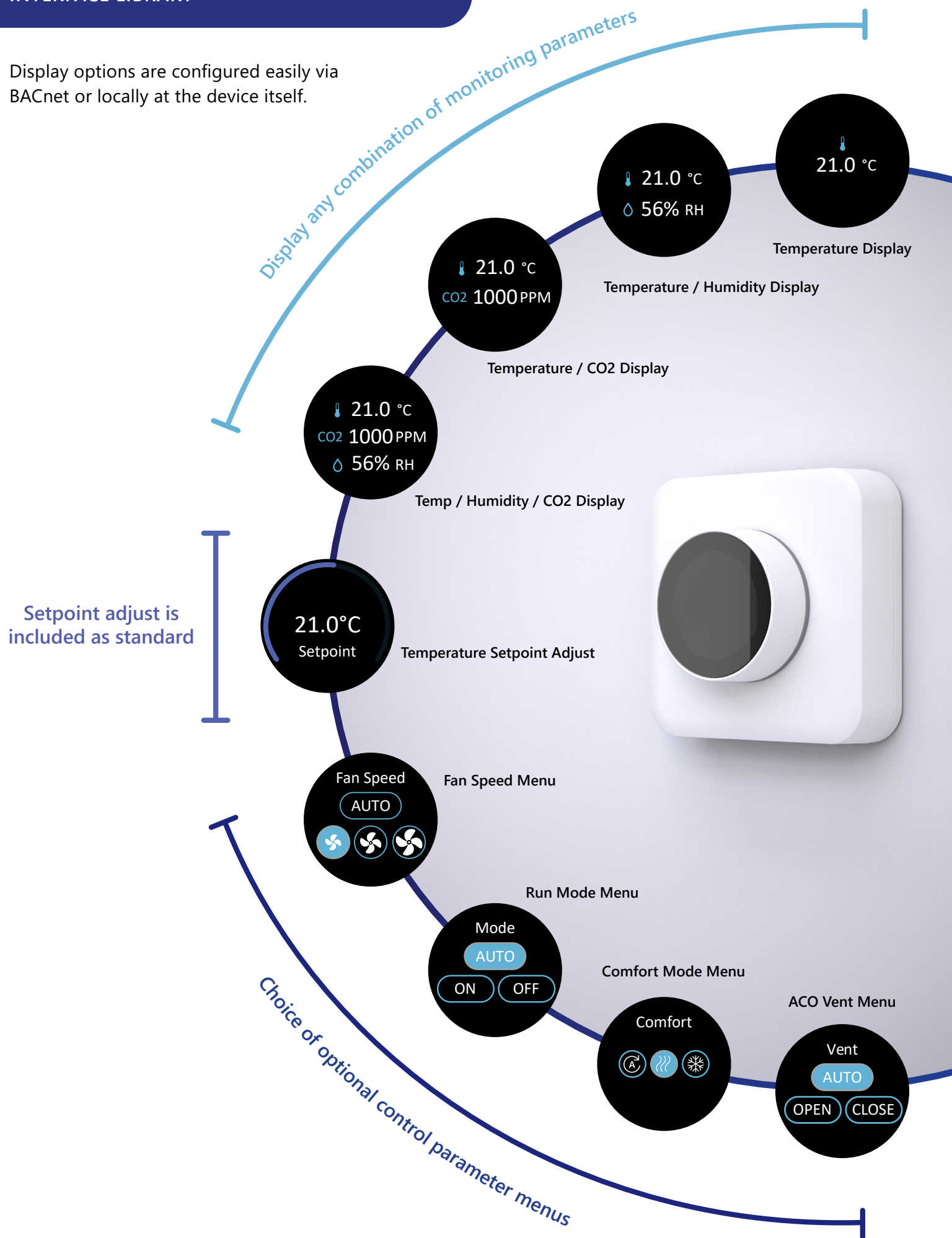
TITAN'S 710 CONTROLLER

The ideal companion to the Rotary, the TP-C-710 controller covers 2-pipe and 4-pipe applications, has BACnet MS/TP communications and is supplied with a flexible mix of I/O to cater for 0-10V and 24VAC heat/cool actuator type and 0-10V EC fan control.

When the TP-C-710 and Rotary are used together, a direct cat-5 connection can be utilised to reduce cabling and install time. The Rotary will be powered from this connection and pass any monitoring and adjustment parameters directly to the controller.

Display options are configured easily via
BACnet or locally at the device itself.

Display any combination of monitoring parameters

21.0 °C

Temperature Display

🌡 21.0 °C
💧 56% RH

Temperature / Humidity Display

🌡 21.0 °C
CO2 1000 PPM

Temperature / CO2 Display

🌡 21.0 °C
CO2 1000 PPM
💧 56% RH

Temp / Humidity / CO2 Display

**Setpoint adjust is
included as standard**

21.0°C
Setpoint

Temperature Setpoint Adjust

Fan Speed
AUTO

Fan Speed Menu

Run Mode Menu

Mode
AUTO
ON   OFF

Comfort Mode Menu

ACO Vent Menu

Comfort

Vent
AUTO
OPEN CLOSE

Choice of optional control parameter menus

ROTARY PART CODES

Rotary Interfaces	Colour	Part Code
Rotary Interface c/w Temperature and Humidity Monitoring	White	TP-UI-RO
Rotary Interface c/w Temperature and Humidity Monitoring	Black	TP-UI-RO-B
Rotary Interface c/w CO2, Temperature and Humidity Monitoring	White	TP-UI-RO-CO2
Rotary Interface c/w CO2, Temperature and Humidity Monitoring	Black	TP-UI-RO-CO2-B

ADDITIONAL PRODUCTS

Network Management	Part Code
NetMaster Network Manager (Din rail mounted)	TP-NM-C-D
Controllers	**Part Code**
BACnet MS/TP Fan Coil Controller	TP-C-710
BACnet MS/TP Multi-Zone Heating Controller	MZ-503
BACnet MS/TP Natural Ventilation Controller with 24V DC Drive Control	NVC-1204
IO	**Part Code**
Smart IO Module with 4 x UI and 4 x Digital Outputs	IO/COM-4DO
Smart IO Module with 8 x UI and 8 x Analogue Outputs	IO/COM-8AO
Smart IO Module with 8 x UI and 8 x Digital Outputs	IO/COM-8DO
Smart IO Module with 8 x UI and 8 x Relay Outputs	IO/COM-8R

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