

What's New?

Fall 2016 Edition 1 (877) 513 7769 (PROX), Markham Ontario

HYBRID MODULE FOR STANDARD AND SAFETY I/O



TPBN: The first hybrid Safety-Standard I/O module

TBPN safety block I/O module, is the first module to combine both standard and safety inputs/outputs in a single device. The IP67 hybrid modules can be adapted flexibly to the specific signal requirement in the machine. They help users to implement space saving and inexpensive wiring of their machines.

The user has two safety inputs for connecting different safety sensors such as light curtains or emergency-stop buttons. Two additional safety channels can be used either as inputs or outputs. The four universal inputs/outputs for connecting non-safety-related signals can switch up to 2 A. Two of the I/Os can also be connected as IO-Link masters. In combination with Turck's I/O hubs, users can connect up to 32 additional I/Os to the module in this way.

Both the standard channels as well as an IO-Link channel of the TBPN can be disconnected for safety-related applications. Turck has developed the robust safety module for an extended temperature range from -40 to +70 °C. The IP65/IP67/IP69K protection types allow use in the most demanding environments.

Featured inside:



PLC FUNCTIONALITY



ARGEE TECHNOLOGY



ETHERNET SPANNER



ULTRASONIC SENSORS



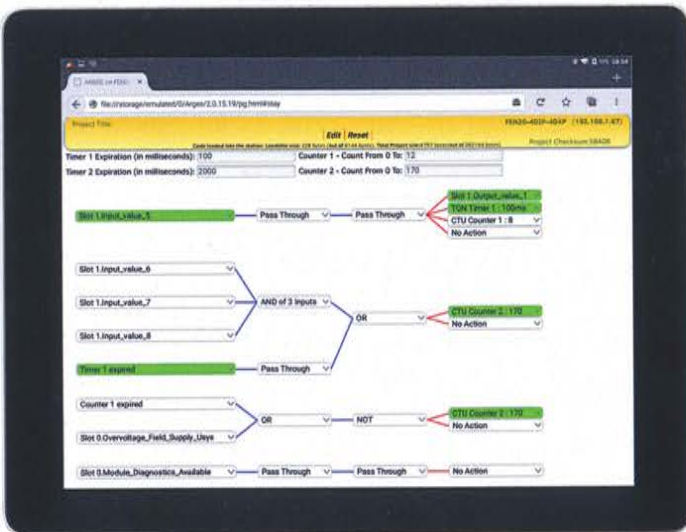
GRACEPORT+

PLC FUNCTIONALITY FOR MULTIPROTOCOL I/O MODULES



Simple PLC functionality powered by ARGEE for Turck's multiprotocol block I/O modules in IP20 and IP67. ARGEE enables PLC functions to be programmed directly on the modules of the TBEN-L, TBEN-S, BL compact and FEN20 block I/O series. Simple controller functions can be outsourced to the I/O modules, thus relieving the workload on the central PLC and the bus communication. The ARGEE programming environment is a simple web application. It requires a Windows PC with a web browser such as Chrome or Firefox. Thanks to Turck's multiprotocol Ethernet, modules pre-programmed in this way can be used in Profinet, Ethernet/IP or Modbus TCP networks. Simple requirements can also be implemented on the Turck block I/O modules completely autonomously with ARGEE. Programming couldn't be easier. In Simple mode, which is like a ladder diagram editor, drop-down fields provide the means by which inputs and outputs can be linked with Boolean operators and actions.

FLCs POWERED BY ARGEE TECHNOLOGY TRANSFORMS I/O DEVICES



Field Logic Controllers (FLC) benefit small to mid-size OEMs and manufacturers who are looking to add logic without investing in a PLC. FLCs can be used in one of three ways:

- The FLC stands alone: The FLC performs all logic as a standalone application without a PLC
- The FLC backs up the PLC: If the FLC loses communication with the PLC, the FLC can take over and either shut down or maintain the process.
- The FLC and the PLC work together: The FLC can monitor an application and send defined variables and updates back to the PLC.

more info: <http://www.turck.us/en/field-logic-controller-5583.php>

Suppliers



TURCK ETHERNET SPANNER PROVIDES ROBUST PROTOCOL



- provides customers with a robust protocol converter
- easy way to link multiple Ethernet networks together
- device can allow isolated networks to pass data between them (up to 256 bytes)
- TBEN Ethernet spanner offers the ability to setup a NAT (Network Address Translation) router for up to 5 IP addresses
- include an embedded webserver for a streamlined setup and configuration process.
- helps customers who are following the trend of using Ethernet technology to elevate their field I/O to a controller or PLC
- TBEN-L spanner offers 16 digital inputs available to both networks and allows data transfer speeds of up to 100 megabits per second.
- spanner comes in a glass-fiber reinforced housing with fully potted electronics and offers a IP65, IP67, or IP69K rated housing.

ULTRASONIC SENSORS IN RECTANGULAR AND ANGLE HEAD DESIGN



- RU sensor in the M18 housing is now also available as an angle head variant
- radiation angle is rotated by 90 degrees and Angle head variants ranges up to 130 cm
- suited for room monitoring or sag detection
- rectangular design enables a very large opening angle of 60°
- CK40 is suitable for ranges up to 250 cm with an M12 or terminal chamber connection
- RU-600U in the M30 stainless steel housing with a 600 cm switching distance for applications requiring a very large range
- comes with a very short blind zone of only 60 cm.



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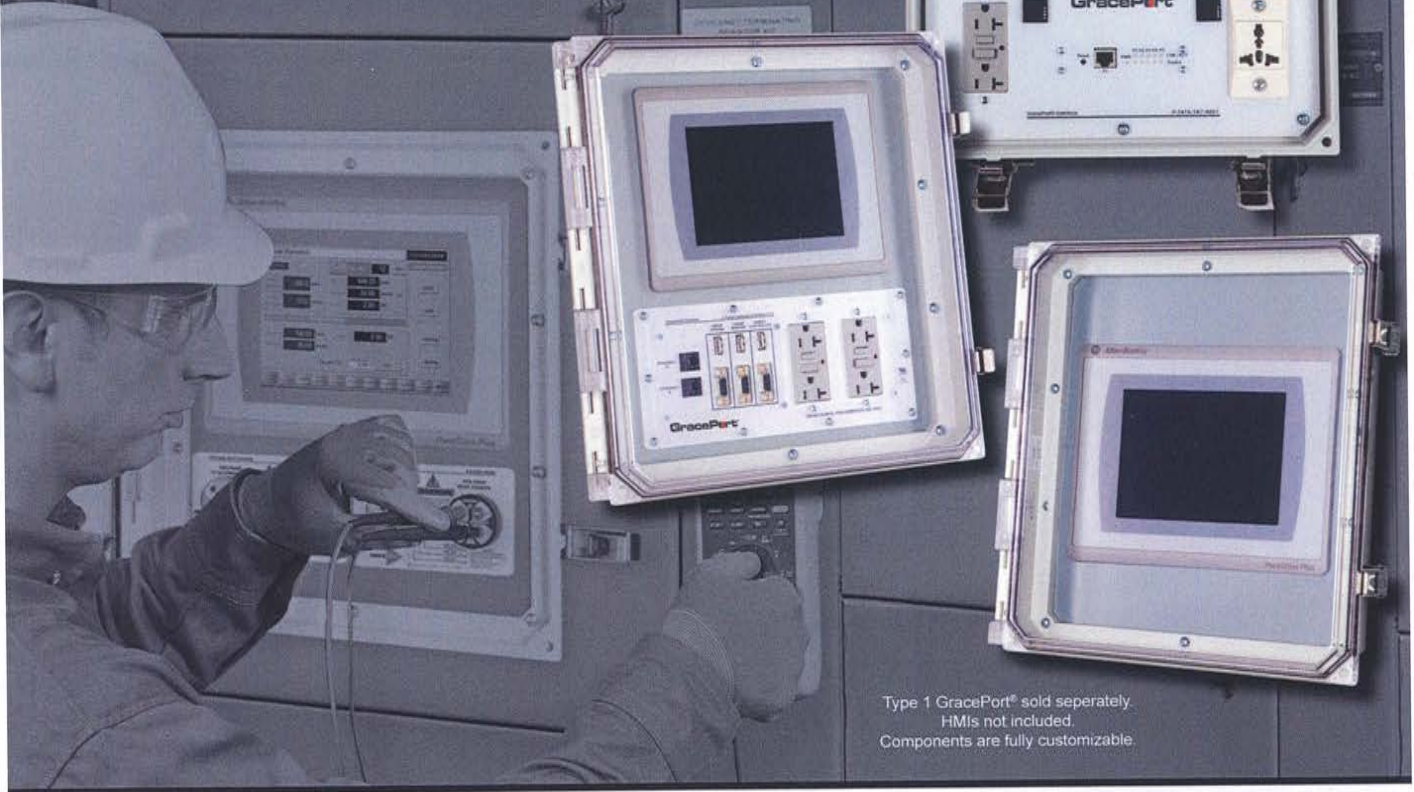


Curtis Industries
A Div. of Powers Holdings, Inc.

GracePort®

GRACEPORT®+

Keeping people safe and assets secure.



Type 1 GracePort® sold separately.
HMIs not included.
Components are fully customizable.

GRACEPORT®+ FEATURES

- ▶ **GracePort®+** is a UL Recognized large housing that protects Human Machine Interfaces (HMIs) and other valuable electrical components with the added benefit of including our custom line of GracePort® components.
- ▶ Formed-In-Place (FIP) polyurethane gasket protects HMI equipment and electronics making **GracePort®+** well-suited for outdoor applications.
- ▶ Robust polycarbonate cover and corrosion resistant 316 stainless steel hinge pin design aides in protecting from environmental contaminants such as UV, dirt, dust, oil and water.
- ▶ The padlockable housing adds an additional layer of protection by only allowing authorized personnel to conveniently access **GracePort®+** enclosed components.



Actual product certification will vary with component selection.

Literature Request?

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