

The logo features a stylized lightbulb with colorful lines (red, blue, yellow) representing neural connections or ideas. To the right, the text "LEAP AWARDS" is in large, bold, black letters, with "2021 WINNERS" in a smaller, grey font below it. A red horizontal line runs across the bottom of the text.

PNEUMATIC

In the category of Pneumatics, this year's LEAP Award winners are...

GOLD

Emerson

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Product:

Wireless Auto Recovery Module (ARM)

The Wireless Auto Recovery Module (ARM) clip for the AVENTICSTM G3 electronic fieldbus platform enables the industry's first embedded wireless connectivity in a pneumatic valve system.

When pneumatic valve systems are installed within a machine or located somewhere out of reach, commissioning and performing diagnostics can be inconvenient and time-consuming. The Wireless ARM clip makes it easy for technicians to perform pneumatic valve system commissioning and diagnostics from a Wi-Fi-enabled mobile phone, tablet, or laptop, regardless of where the valve system is mounted. This helps manufacturers reduce production downtime, simplifies valve system commissioning, and creates a path for using diagnostics for analytics.

Offering the visual benefits of a hard-wired human-machine interface (HMI) at lower cost and with higher flexibility, the wireless ARM generates error notifications for alarms, voltage levels, short circuits, module errors, open load errors and distribution errors to reduce system downtime.

The device has a small footprint that connects easily to the AVENTICS G3 fieldbus platform in the space of a jumper clip. Three power settings for low-, medium-, or high-distance signals ensure safe and secure access to data. Additional security is provided through a wireless signal that can be turned off during configuration, multiple password options and diagnostic and commissioning information provided with no control capability.



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