



Garvens Remote Control (GARECO) Checkweigher Interface Module

MVI56-GRCM

Applications using the GARECO Checkweigher Module can be found in many industrial sectors including:

- Packaging machinery
- Batch and process manufacturing
- Production lines or transport lines
- Weighing and sorting goods in motion
- Monitoring/automatic controlling of filling processes

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Garvens Remote Control Checkweigher Interface Module

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The MVI56 Garvens Remote Control Checkweigher Interface Module allows ControlLogix I/O compatible processors to interface easily with GARECO Check Weighers using the Garvens Remote Control protocol. The module offers two serial ports that provide access for two independent GARECO serial devices.

Features and Benefits

The MVI56-GRCM module acts as an input/output module between the checkweighers and the ControlLogix processor. The data transfer from the ControlLogix processor is asynchronous from the actions on the checkweigher.

General Specifications

- Single Slot - 1756 backplane compatible
- Local or remote rack
- The module is recognized as an Input/Output module and has access to processor memory for data transfer between processor and module
- Ladder Logic is used for data transfer between module and processor.
- Configuration data obtained through user-defined ladder. Sample ladder file included

Hardware Specifications

Specification	Description
Backplane Current Load	800 mA @ 5 V DC 3mA @ 24V DC
Operating Temperature	0 to 60°C (32 to 140°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Shock	30g Operational 50g non-operational Vibration: 5 g from 10 to 150 Hz
Relative Humidity	5% to 95% (non-condensing)
LED Indicators	Module Status Backplane Transfer Status Application Status Serial Activity

Specification	Description
Debug/Configuration port (CFG)	
CFG Port (CFG)	RJ45 (DB-9M with supplied cable) RS-232 only
Application ports (PRT1 & PRT2)	
Full hardware handshaking control, providing radio, and modem support	
Software configurable communication parameters	Baud rate: 110 to 115,200 baud, depending on protocol RS-232 and 422 Parity: none, odd or even Data bits: 5, 6, 7, or 8 Stop bits: 1 or 2 RTS on/off delay: 0 to 65535 milliseconds
App Ports (P1,P2) (Serial modules)	RJ45 (DB-9M with supplied cable) RS-232 handshaking configurable 500V Optical isolation from backplane
Shipped with Unit	RJ45 to DB-9M cables for each port 6-foot RS-232 configuration cable

Functional Specifications

- Ports: Two serial ports to receive and/or transmit data; One GARECO checkweigher device per port
- Receive buffer size: 255 bytes
- Receive termination: Termination character
- Receive database location: 0 to 7000
- Communication Configuration
 - Baud Rate: 300 to 115,200
 - Parity: None, Odd, Even
 - Data Bits: 5 to 8
 - Stop Bits: 1 or 2
 - RTS On and Off Timing: 0 to 65535 milliseconds
 - Minimum Response Delay: 0 to 65535 milliseconds
 - Hardware Handshaking: RTS/CTS
- Supports device types of Topline VS/VO, "S" Series, and "E" Series

Additional Products

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