

Load Cell Power Injection Module

The Argus Load Cell Power Injection Module is designed to power up to 16 TC-LCMIs (Load Cell Modbus Interfaces) using a common power and signal cable.

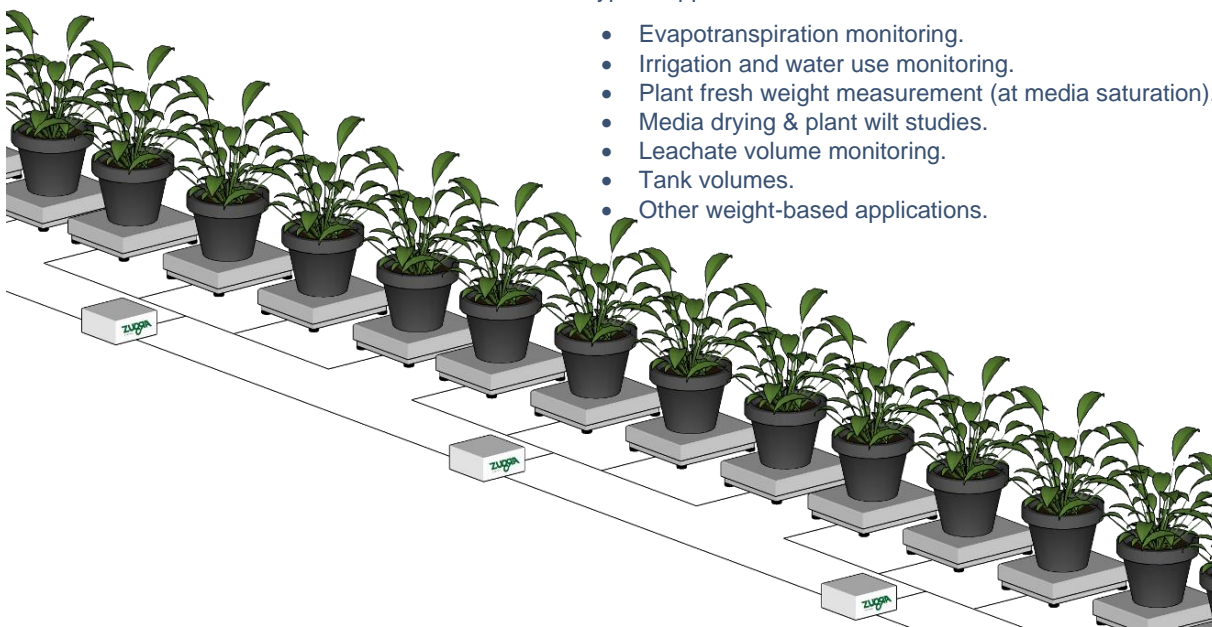


Applications

The Argus load cell interface system is designed for measuring, monitoring, and recording the data from load cells and weigh scales. Each interface module can connect up to four load cells or scales. Arrays of up to 16 load cell modules are supported on each Titan controller, connecting up to 64 discrete scales or load cells. Larger numbers of scales can be accommodated by using additional controllers. The typical time between samples is 5 seconds.

Typical applications include:

- Evapotranspiration monitoring.
- Irrigation and water use monitoring.
- Plant fresh weight measurement (at media saturation).
- Media drying & plant wilt studies.
- Leachate volume monitoring.
- Tank volumes.
- Other weight-based applications.



Features

- **Economical** – A single power supply unit is used to power all LCMI units.
- **Power Injection** – Uses a common power and signal cable (CAT5)
- **Easy to Install** – Standard Ethernet cables with RJ45 connectors are used to interconnect TC-LCPI and TC-LCMI modules (see the diagram on the next page).
- **Status Indicators** – Power status LED.
- **Durable Enclosure** – NEMA 4X Indoor/Outdoor-rated enclosure with mounting feet and watertight cable glands.

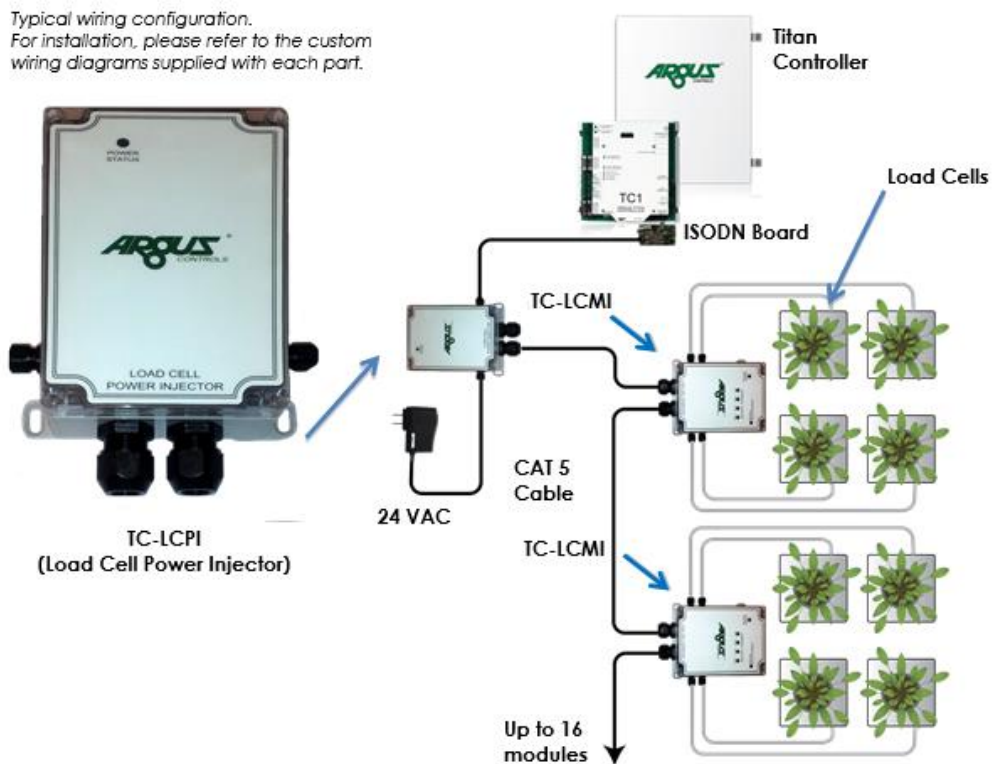
Specifications

Dimensions	7" x 4.5" x 2.5" (height x width x depth)
Protection	1A internal fuse
Load Cell Connections	Up to 16 TC-LCMI units can be connected.
Grounding	A ground lug is provided for grounding load cells.
Network Connections	2 CAT5 (In/Out) with RJ45 male connectors.
Power Requirements	24 VAC

Connection Details

Typical wiring configuration.

For installation, please refer to the custom wiring diagrams supplied with each part.



Additional Information



For more information, please contact Argus.