

# Palletized Fixture Accessories

Wireless Pressure Monitor



## Guardian™ Perfects Pressure Monitoring

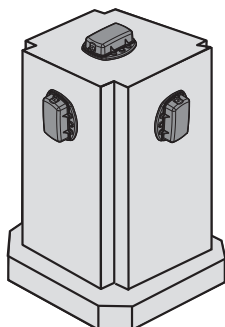
- Install pressure switches.
- Find a place on the fixture for your transmitter.
- Find a place on your machine for your receiver.
- Wire your control box.
- No more tool crashes. **IT'S THAT SIMPLE!**

The Guardian™ gives you full time, "In Cycle", hydraulic pressure monitoring configured for your machine tool fixtures. Equipped with an IP 67 sealed pressure switch, sealed Fixture Transmitter and M12 connectors; Guardian™ ensures positive-pressure monitoring even in the harshest environments. Best of all, you will enjoy easy pressure monitoring and machine tool notification with no interference issues.

The **Simple Guardian™** installs with four wires (Two power wires and a pair of M-code wires). It is a quick and clean installation needing no modifications to the machine tool control. Leave the M-Code check instructions out of your part program for non-monitored fixtures.

The **Base Guardian™ Continuous** system requires six wires and continuously monitors only the pallet in the machining envelope. The pallet being loaded is ignored during the unload/reload process until it enters the machine. Once inside the machine enclosure, Guardian's™ "focused field" monitors the pallet. Accomplish immediate full-time machine communication by wiring directly into a feed-hold or e-stop control. Guardian notifies your machine immediately of any critical pressure loss.

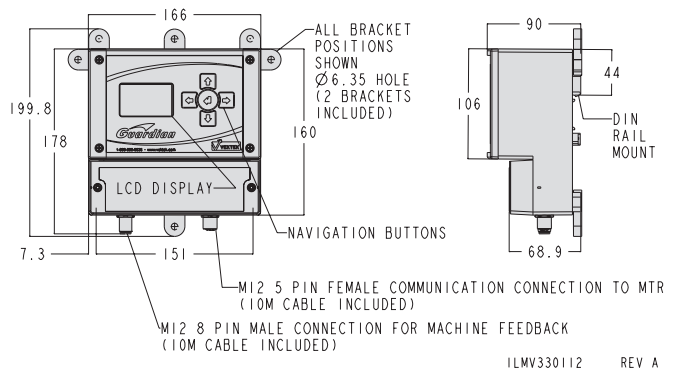
- **Fixture Transmitters require no batteries, ever!**
- Simplified connection via standard connectors and cables.
- Dedicated in-cycle monitoring or machine code polling of fixture status.
- Will not affect other plant wireless systems.
- Master Control Unit power requirements; 10-36 VDC from Machining Center.
- Fully Sealed Fixture Transmitters.



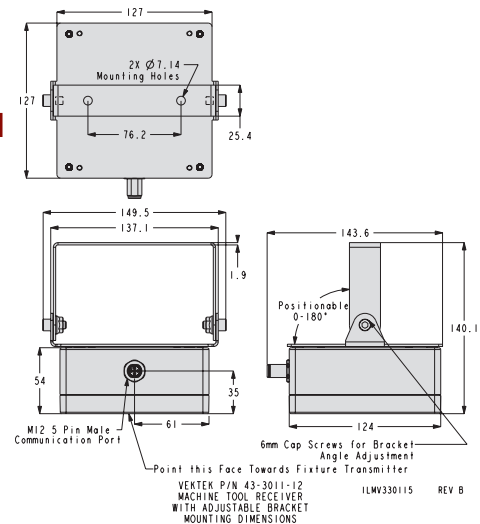
CORRECT LINE OF SIGHT TRANSMITTER PLACEMENTS



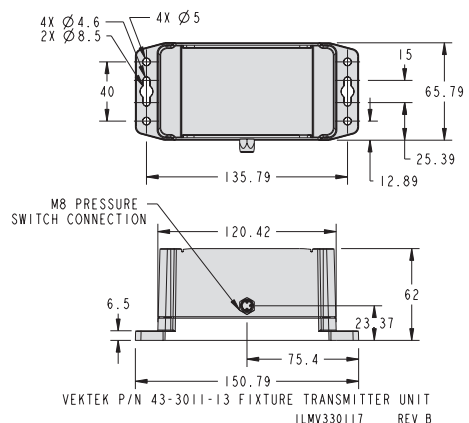
**Master Control Unit**  
43-3011-14 Simple  
43-3011-24 Base



**Machine Tool Receiver**  
43-3011-12



**Fixture Transmitter**  
43-3011-13

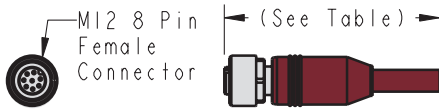


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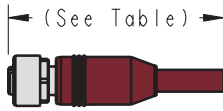
# Palletized Fixture Accessories

## Wireless Pressure Monitor

### Accessories

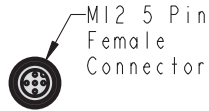


M12 8 Pin Female Connector

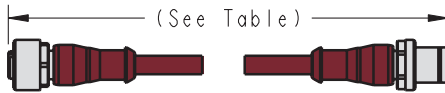


Model No. 27-6424-04

Includes 0.5m M8 Shielded Cable  
P/N 27-7424-01  
For Direct Connection  
to Fixture Transmitter



M12 5 Pin Female Connector



Model No. 27-7422-03 and 27-9422-01



M12 5 Pin Female Connector



G 1/4 Male Connection



Model No. 47-0700-78  
ILMV330114 REV A

Guardian™ Accessories				
Model No.	Description	End 1 Connection	End 2 Connection	Length (m)
27-6424-04	Cable, M12 8 Pin*	Male Straight	Open End	10
27-9422-01	Cable, M12 5 Pin	Male Straight	Female Straight	10
27-7422-03	Master Control Unit to Machine Tool Receiver Communication Cable**	Male Straight	Female Straight	5
27-7424-01	Extension Cable, M8 3 Pin Pressure Switch to Fixture Transmitter	Male Straight	Female Straight	0.5
Pressure Switches				
47-0700-78	55-350 Bar Pressure Switch with 0.5m Cable (Shown)			
47-0700-74	55-350 Bar Pressure Switch with M8 Male Connection Only***			

- \* Included with Master control Units 43-3011-XX can be purchased separately for replacement or additional hook up.
- \*\* 27-9422-01 is included with 43-3011-XX. Cables can be purchased separately for extension or replacement.
- \*\*\* 47-0700-74 requires User Provided 3 Pin M8 Shielded Cable.

### Convenience Package

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#### The Simple and Base Guardian™ Continuous Systems

- 2 Fixture Transmitter Units
- 2 Pressure Switches and cables
- 1 Machine Tool Receiver
- Master Control
- All necessary wiring

Guardian™ Convenience Packages		
Model No.	Type	Description
43-3011-10	Simple	Guardian™ Simple, Monitors only the fixture inside the machining enclosure on demand.
43-3011-20	Base	Guardian™ Base Continuous, Monitors only the fixture inside the machining enclosure.