

PTV-FM 2.4 GHz

When multiple clicker-type torque wrenches are used at a location on the line and RF communication of the status of the process is needed, the 2.4 GHz PTV is the reliable and cost-effective answer!

The PTV-FM 2.4 GHz offers multiple tool and batch options. Each unit can control up to four SLTC-FM 2.4 GHz Switch Wrenches and can support differing specifications and batch sizes on each. Immediate operator feedback for each cycle and count display for tracking batch progress make the operator's job easier. PLC communications are supported through an I/O port and 24 VDC relays.

Features:

- Uses SLTC-FM 2.4 GHz Preset Switch Wrenches for accurate and repeatable torques and extremely high communication reliability.
- Immediately informs operator via lights and a buzzer of proper (Accept) or improper (Reject) wrench use.



- Notifies operator and line when batch is complete.
- Allows up to 99 fasteners per batch.
- Counts fasteners in batch in either direction (up or down).
- Cycle Accept, Cycle Reject, Batch Complete and Reset relays for use with line control system.
- Simple and straightforward front panel programming with security control.
- Each parameter set (group of specifications) can be used on any of up to four tools tied into the unit.
- Tool use sequencing can be controlled through the unit or via 24 VDC control system.
- Operates on either 110-120 VAC or 220-240 VAC power.

Note: 900 MHz version available in U. S. A.

TCV-FM 2.4 GHz

The TCV-FM 2.4 GHz is ideal when the application calls for the accuracy and repeatability provided by the SLTC-FM 2.4 GHz preset torque wrenches, and only a single tool at the station needs to be controlled and batch counting can be performed by the PLC. This is the high-reliability, low-cost solution you have been looking for!

Features:

- Uses SLTC-FM 2.4 GHz Preset Switch Wrenches for accurate and repeatable torques and extremely high communication reliability.
- Immediately informs operator via lights and a buzzer of proper (Accept) or improper (Reject) wrench use.



- 5 pin connector for use with 24 VDC I/O system.
- Cycle Accept, Cycle Reject and Reset relays keep line control system informed of status at all times.
- The tool use specifications are easily programmed with supplied software through the serial port.
- Operates on either 110-120 VAC or 220-240 VAC power.

Note: 900 MHz version available in U. S. A.



TCV Ethernet

The TCV Ethernet extends the functionality of the TCV by incorporating Ethernet communications using the Atlas Copco® Open Protocol. Users who need data via Ethernet and 24 VDC I/O communications for their line have the product that suits their needs! The TCV Ethernet works with the accurate and reliable SLTC-FM 2.4 GHz Switch Wrenches to provide the accuracy and reliability you count on!

- Works with any of the SLTC-FM 2.4 GHz Switch Wrenches.
- Ethernet port and built-in compatibility with the Atlas Copco® Open Protocol!
- Uses OUR X-BEE/OUR X-BEE Pro 2.4 GHz communications for reliable bi-directional tool communications at distances up to 50 feet (16m)!
- Front panel LED's for Cycle Accept, Cycle Reject and Batch Complete for immediate operator feedback on each use of the tool.
- Simple front panel programming via keypad and 2 line, 14 character display.
- Password protection to prevent unauthorized changes.
- Operates on either 110-120 VAC or 220-240 VAC power.



SLTC-Series Hardwired Preset Torque Wrenches

Our SLTC-Series is the ideal preset torque wrench for those who wish to design their own controls using hardwired tools and PLC's. These tools have the legendary accuracy and reliability built in to all S/R torque wrenches, augmented with a solid and durable mechanical switch system.



- +/- 4% Indicated Value Accuracy from 20% to 100% of capacity in the clockwise direction.
- Five models have the incredibly strong S/R Dovetail and can be used with any of over 100 S/R Interchangeable Heads!
- Tamper-resistant design discourages unauthorized torque setting changes.
- Meets or exceeds requirements of ASME B107.14 and ISO 6789!
- Light weight and new Cushion Grip for superior ergonomics!
- Excellent audible and tactile impulse when preset torque is achieved!

Design Your Own System: Tool/Controller Compatibility Chart

	Global 8 Ethernet	Global 8	RFE Ethernet	RFE	TCV Ethernet	PTV-FM 2.4GHz	TCV-FM	PLC Direct
1100-Series Exacta®	X	X	X	X				
PST 1000	X	X						
SLTC-FM 2.4GHz Preset Clicker	X	X			X	X	X	
SLTC Preset Hardwire								X

Part No.	Model	Description
Control and Communication Devices		
10477	Global 8-Ethernet (ACOP)	Global 8 Controller with Ethernet card and Atlas Copco® Open Protocol
10476	Global 8-Ethernet (PFCS)	Global 8 Controller with Ethernet card and PFCS
10473	Global 8-Ethernet (IP)	Global 8 Controller with Ethernet card and Ethernet IP
10479	Global 8	Global 8 Controller
10470	RFE-Ethernet	RFE Controller with Ethernet card and Atlas Copco® Open Protocol
10471	RFE	RFE Controller
10466	PTV-FM 2.4	PTV Controller, 2.4 GHz
10469	TCV-Ethernet	TCV Controller with Ethernet card and Atlas Copco® Open Protocol
10467	TCV-FM 2.4	TCV Controller, 2.4 GHz
Attribute and Variable Data Torque Tools		
10478	PST 1000	PST 1000 Pressure Sensor/Transceiver for ported, auto-shutoff air tools
10581	1100 Exacta 25	25 ft.lb./33.8 Nm cap., 3/8" SD int. head inc., batteries not included**
10582	1100 Exacta 75	75 ft. lb./101.5 Nm cap., 3/8" SD int. head inc., batteries not included**
10583	1100 Exacta 150	150 ft. lb./203.3 Nm cap., 1/2" SD int. head inc., batteries not included**
10584	1100 Exacta 250	250 ft. lb./338.9 Nm cap., 1/2" ratcheting S. D., batteries not included**
10580	1100 Exacta 400	400 ft. lb./542 Nm cap., SR dovetail, batteries not included**
10585	1100 Exacta 600	600 ft. lb./813 Nm cap., 3/4" ratcheting S. D., batteries not included**
Switch Wrenches		
810311	SLTC-2.4 FM 50I	FM Switch Wrench, 2.4 GHz, 50 in.lbs./6 Nm cap.
810312	SLTC-2.4 FM 150I	FM Switch Wrench, 2.4 GHz, 150 in.lbs./17 Nm cap.
810313	SLTC-2.4 FM 300I	FM Switch Wrench, 2.4 GHz, 300 in.lbs./34 Nm cap.
810310	SLTC-2.4 FM OHT	FM Switch Wrench, 2.4 GHz, 300 in.lbs./34 Nm cap., (length same as 810312)
810314	SLTC-2.4 FM 750I	FM Switch Wrench, 2.4 GHz, 750 in.lbs./85 Nm cap.
810315	SLTC-2.4 FM 1800I	FM Switch Wrench, 2.4 GHz, 1800 in.lbs./204 Nm cap.
810305	SLTC-2.4 FM Ergo	FM Switch Wrench, 2.4 GHz, 1800 in.lbs./204 Nm cap., (6" longer than 810315)
810316	SLTCR-2.4 FM 3000I	FM Switch Wrench, 2.4 GHz, 3000 in.lbs./339 Nm cap., 1/2" ratcheting S.D.
810317	SLTC-2.4 FM 3600I	FM Switch Wrench, 2.4 GHz, 3600 in.lbs./408 Nm cap.
810318	SLTC-2.4 FM 4800I	FM Switch Wrench, 2.4 GHz, 4800 in.lbs./542 Nm cap.
810319	SLTCR-2.4 FM 7200I	FM Switch Wrench, 2.4 GHz, 7200 in.lbs./813 Nm cap., 3/4" ratcheting S.D.
810854	SLTC-150I	Switch Wrench, Hardwire, 150 in.lbs./17 Nm cap.
810855	SLTC-300I	Switch Wrench, Hardwire, 300 in.lbs./34 Nm cap.
810856	SLTC-750I	Switch Wrench, Hardwire, 750 in.lbs./85 Nm cap.
810857	SLTC-1800I	Switch Wrench, Hardwire, 1800 in.lbs./204 Nm cap.
810858	SLTC-3600I	Switch Wrench, Hardwire, 3600 in.lbs./408 Nm cap.
810859	SLTCS-7200I	Switch Wrench, Hardwire, 7200 in.lbs./813 Nm cap., 3/4" fixed S.D.
810860	SLTCR-7200I	Switch Wrench, Hardwire, 7200 in.lbs./813 Nm cap., 3/4" ratcheting S.D.
Required or Supporting Products		
21259**	Charger & 4 AA NiMH*	4-AA NiMH 2200 mAh batteries & charger, for 1100-Series Exacta®
816261	4 AA NiMH Batteries*	2500 mAh NiMH batteries, spare, for 1100-Series Exacta®
10474	Cable, Global 8, to bare	Cable for Global 8 24 VDC I/O system, Global 8 connector to bare wire
10440	Cable for SLTC	Cable, Switch Wrench, SLTC 150I only (required)
10421	Cable for SLTC	Cable, Switch Wrench, All other SLTC/SLTCS/SLTCR models. (required)

*NAFTA Only. Go to web site for battery and charger information for other countries.



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