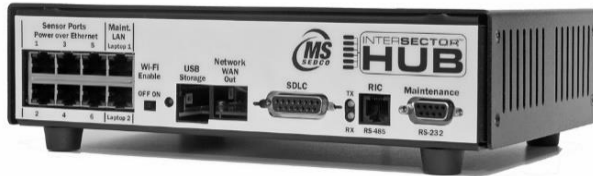


DATA SHEET INTERSECTOR HUB

PRODUCT

Intersector HUB / PN: TC-HUB



PRODUCT DESCRIPTION

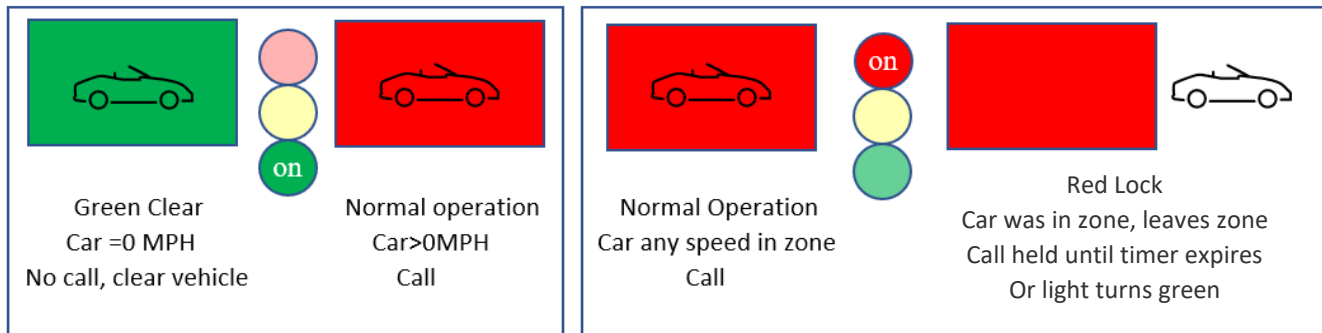
The Intersector HUB is a traffic cabinet interface gateway (TCIG) that provides...

- A common interface and power for up to 6 Intersector™ SDLC sensors
- An SDLC bus interface that eliminates the need for a detector rack, external power supply, and TCIB cards
- Up to 32 detection zones per Intersector
- Up to 64 SDLC outputs to the traffic controller
- Wi-Fi, LAN, and WAN connectivity
- Intersector HUB Portal serves as a graphical user-interface (GUI) to facilitate ease of setup
- Ability to setup configurations that can be copied to other Intersectors
- Fail-Safe performance for pre-defined conditions
- Patent-pending technology

“RED LOCK – GREEN CLEAR” PERFORMANCE

The HUB continually reads phase information thus allowing it to lock any call on red and clear any call on green when the vehicle is going 0 MPH. This improves performance in detection metrics for hung calls and dropped calls.

VMP will prevent red lock from indefinitely holding a call. If something happens and the HUB cannot read phase information, it will hold a stopped vehicle for the time value set in VMP.



SPECIFICATIONS

Parameter	Value	Unit
General		
Included In Product Box	HUB	Product
Included In Product Box	Power Cord	Product
Included In Product Box	Extra fuse	Product
Included In Product Box	Instruction Manual	Product
Sensor Ports (With POE)	6	100 Base T Ethernet with power
Sensor Ports IP Address	DHCP	Automatic
MAC Address	Yes	Set at factory
Maint. LAN Ports	2	100 Base T
WAN Port	1	100 Base T
WAN IP address	1	1 IP Address
Input power	Universal 90-264 VAC Input, 50/60 Hz (NEMA Spec is 89-135 VAC 60HZ)	Volts / Hz
Input Power W/ 6 Sensors Connected	45	Watts
Input Power	12	Watts
Environmental		
Tested under NEMA TS2 2016	Compliant	Applicable sections
Ambient operating temp	-29°F to 165° (-34°to 74°)	Degrees F and (C)
Shock	10	G's
Vibration	+/- 0.5	G's
PCB protection	Yes	Conformal coated PCB
Mechanical		
Weight	2.5	Pounds
Outline	9 x 6.5 x 2.25	L x W x H Inches
Bottom mounting feet	½	Inch
Product finish	Powder coated Black	Finish
Product	cUL, UL	Agency
Power cord	6.56' (2.00m) Power Cord Black IEC 320-C13 To Cable SJT	Specs
Power cord	cUL, UL 125V rated	Agency
Power Supply	cUL, UL 90-264V rated	Agency
Line Filter	cUL, UL 250 VAC rated	Agency
HUB Interface		
Mounting	Shelf	mounting
Interface with Intersector	6	100base-T with PoE
Interface with Laptop	LAN	100base-T Ethernet
Interface with network	WAN	1G
BIU outputs	64	BIU outputs
Power up	60 seconds	Boot time
Sensor connection time	30	Seconds typical
Fail-safe	60-960 seconds, 120 seconds default	Time before operational
Service port	Diagnostics, change IP address	RS232

Parameter	Value	Unit
Faults	Sensor connection, voltage, current, Ethernet SQI, rain, Intersector status.	Pass/fail or numeric
SDLC bus status, Call Status, Visual Indicator	Tx and Rx LEDs	Operation indication
Software		
Login page	Yes	Login
Portal Page (HUB setup)	Yes	Status and diagnostics
Grid Page (sensor setup)	Yes	Vehicle tracking and zone setup
Diagnostics	Yes	Diagnostics
IP Configuration	Yes	Network configuration
Interface	Web page	Network configuration
Browsers supported	Chrome, Edge, Firefox	Web interface
Download	Yes	Web interface
WIFI	Selectable with On/Off switch	
Fail-safe	Yes, 120 default, programmable	Seconds
Fail-safe conditions	Failsafe timer, startup, sensor error, lost connection, application programming,	Seconds until all faults cleared

COMPATIBLE PRODUCTS



MS Sedco Intersector SDLC
Part Number: TC-OA-SDLC



MS Sedco ECX Cable Extender
Part Number: ECX

ECX
Ethernet Cable Extender



The ECX allows cable runs for the INTERSECTOR of up to 600 feet, doubling the allowable distance. It's rugged and streamlined enclosure features IP66-rated connector covers that assemble easily around conventionally terminated Cat 5e and Cat 6 cables.

WARRANTY

MS Sedco traffic products are warrantied for 5 years from the invoice date.

COMPANY CONTACT

MS SEDCO
7898 Zionsville Rd.
Indianapolis, IN 46268
Phone: 317-842-2545
www.mssedco.com