

ENGINE / VEHICLE ACCESSORIES



Auto Reel
Page 86



Power Cord Reel
Page 86



Air Line Reel
Page 86



R.F. Control
Page 87



Safety Lock
Page 88



Safety Lock 3
Page 88



Safety Lock 4
Page 88



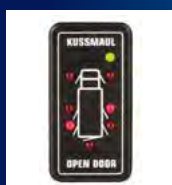
Safety Lock D
Page 88



Auto Throttle 1
Page 88



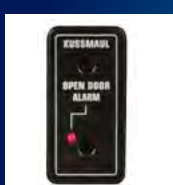
Radio Chargers
Page 89



7 Door Display
Page 90



10 Door Display
Page 90



Relay Output
Page 90



Audible Annunciator
Page 90



Switch Enclosure
Page 90



Data Port
Page 91



USB Dual Ports
Page 91



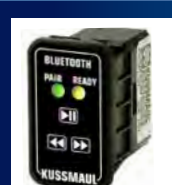
Auto Touch
Page 92



Temperature Monitor
Page 92



Shoreline/Air/
Level Alarms
Page 93

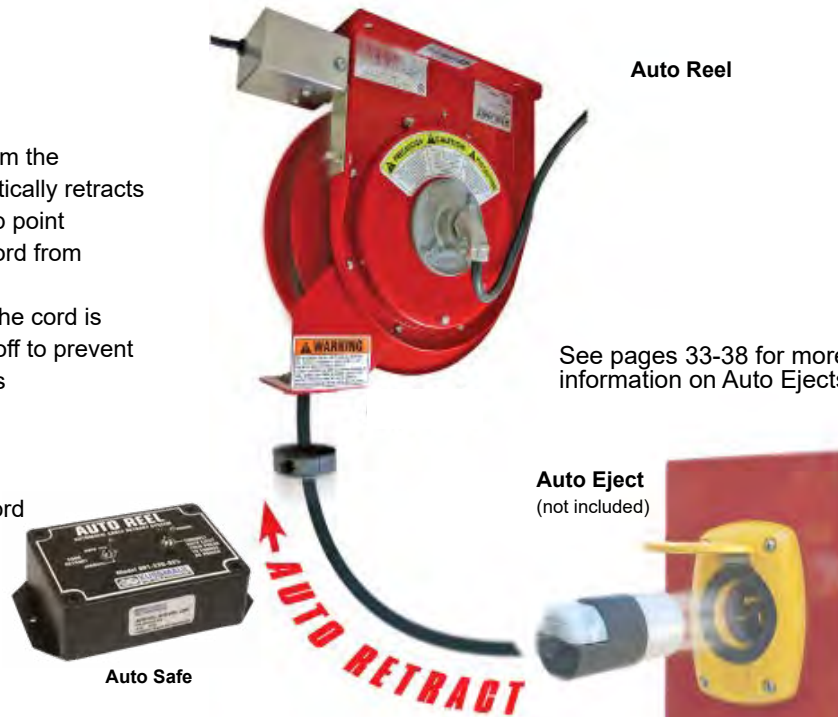


Bluetooth Module
Page 93

Auto Reel

Features

- After the Auto Eject is ejected from the receptacle, the Auto Reel automatically retracts the cord to a pre-determined stop point
- Eliminates damage to the plug/cord from vehicles movement
- With the Auto Safe option: After the cord is disconnected, the power is shut off to prevent any electric shock if the cord gets severed/wet
- Spring retractable with latch
- Wall or ceiling mount
- 45 foot, #12 AWG 3 conductor cord
- Adjustable cord stop



Auto Reel

See pages 33-38 for more information on Auto Ejects

Auto Eject
(not included)

Auto Safe

Part Number	Description	Electrical Data		Dimensions			Wgt.
		AC Volts	Amps	L	W	H	
091-220-20-120	Auto Reel	120	20	12.00"	14.00"	10.00"	28
091-220-20-120-AS	Auto Reel w/ Auto Safe	120	20	12.00"	14.00"	10.00"	28

Power Cord Reel

AC Cord Reel for Auto Ejects



Features

- NEMA 5-20P connector attached, mates with 20A Auto Eject
- Spring retractable with latch
- Wall or ceiling mount
- 45 foot, #12 AWG 3 conductor cord
- Adjustable cord stop

Part Number	Description	Wgt.
L4545 12 3 3	Power Cord Reel	28

Air Line Reel

Air Line Reel for Air Ejects



Features

- Female coupler supplied to mate with Air Eject
- Spring retractable with latch
- Wall or ceiling mount
- 50 foot, 1/4 inch, 300 PSI hose
- Adjustable cord stop

Part Number	Description	Wgt.
RT450-OLP	Air Line Reel	25

Activate Up to 4 In-Building Functions from Vehicle

- Garage Doors
- Exhaust Fans
- Vehicle Bay Lighting
- Traffic Lights

Features

- Vehicle mounted transmitters generate four unique signals
- Typical transmitter range: 155 feet
- Station mounted AC powered receiver actuates up to four in-building systems/accessories
- Multiple transmitter codes permit: setting unique frequencies for up to 32 vehicles, and assigning dedicated controls per vehicle, per single bay or area
 - Set common station activation frequency for all vehicles
- Code entry dip switches



Transmitter



Receiver

Part Number	Description	Electrical Data		Output Channels	Trans. Codes	Dimensions			Wgt.
		Input Power	Frequency			L	W	H	
091-133-T	Transmitter	12V, 0.015A	418 MHz	120	4	2.95"	4.5"	1.55"	1
091-133-R	Receiver	12V, 50/60 Hz. 0.015A	418 MHz	120	4	4.75"	3.5"	1.55"	1

Permits Running Engine with Ignition Key Removed Prevents Unauthorized Drive Away of Vehicles Left Unattended with the Engine Running

Features

- Safety lock activated when the ignition key is removed
- When the safety lock activates, the engine remains on and shuts down automatically if the controls are manipulated in an attempt to move the vehicle
- Select models to provide single or multiple ignition outputs:
 - Foot brake
 - Parking brake
 - Gear shift
 - Other installer defined kill switch activation
- Safety lock override/re-start when the ignition key is inserted
- 30A relay contacts



Safety Lock D
091-174
For Chrysler / Jeep / Dodge Vehicles*
2006 to 2008



Safety Lock
091-148-12
Single Wire Ignition Output



Safety Lock 3
091-155
Three Wire Ignition Output



Safety Lock 4
091-160
Four Wire Ignition Output

Part Number	Description	Electrical Data		Dimensions			Wgt.
		Volts	Outputs	L	W	H	
091-148-12	Safety Lock	12V	1	2.63"	4.50"	1.50"	.25
091-155	Safety Lock 3	12V	3	4.25"	3.50"	1.63"	.25
091-160	Safety Lock 4	12V	4	3.00"	5.25"	1.50"	.25
091-174	Safety Lock D	12V	*	2.95"	5.10"	1.55"	.25

High Idle Control Automatically Increases Alternator Output

Features

- Time delay eliminates cycling
- Usable with any throttle actuator
- Simple, easily installed

The Auto Throttle 1 is a voltage detector, designed to operate any throttle system, to increase engine speed when insufficient alternator output drops the battery voltage. Time delays are provided to inhibit the unit from operating, when the voltage drops for only a short period of time.

Then, once a high idle is produced, it is maintained for 5 minutes. This reduces the ON/OFF cycling. The output of the Auto Throttle 1 is the closure of a relay, with 20A contacts. This contact closure may be utilized to operate any actuator, or switch the input to an electronic engine control. Operation occurs when the unit senses less than 12.5V, for a minimum of 15 seconds. The relay then operates, to produce the high idle, and remains energized for at least 5 minutes, or until the voltage rises above 13.4V, whichever occurs later. The Auto Throttle 1 senses battery voltage, and provides the necessary control signals to speed up the engine. It does not provide the mechanism to increase the speed, this is supplied by the installer.



Part Number	Description	Electrical Data Specs		High Idle Factory Set Point	Dimensions			Wgt
		DC Volts	DC Amps		L	W	H	
091-84	Auto Throttle 1	12	30	12.5V	5.10"	1.55"	2.95"	.25

In-Vehicle Charging Solutions for Two-Way Radio Batteries

Features

- K-Line Chargers designed for in-building or in-vehicle with available accessories
- Replaceable charging pods charge Li-Ion, LiPo, NiMH, or NiCd batteries based on the pod selected
- Models are available for charging one (K1M), two (K2M), six (K6M) or 12 (K12M) batteries and the battery may be charged while on or off the radio
- K-Line chargers can be powered by AC as well as 12 or 24 volt DC power
- Available for popular radios including Motorola, Kenwood, Harris, Tait, Hytera, Icom, and many others
- One year warranty



Model: 500-K1M-XX



Model: 500-K12M-XX



Model: 500-K6M-XX



Model: 500-K2M-XX

Optional:
Mounting Bracket for K-Line Models
Call for more Information



Part Number	Description	Electrical Data Specs			Compatible With	Dimensions			Wgt (lbs)
		Input AC	Input DC	Charge Rate		W	L	H	
500-K1M-XX	One Unit Charger	N/A	12V-24V 1.0A (min)	up to 900 mA	Li-Io / LiPo NiMH / NiCd	3.8"	5.2"	3.0"	0.6
500-K2M-XX	Two Unit Charger	100-240 VAC .058A	12V-24V 1.8A (min)	up to 900 mA	Li-Io / LiPo NiMH / NiCd	3.9"	5.4"	3.2"	0.7
500-K6M-XX	Six Unit Charger	100-240 VAC 2A	12V-24V 5.4A (min)	up to 900 mA	Li-Io / LiPo NiMH / NiCd	20"	5.8"	3.6"	3.1
500-K12M-XX	Twelve Unit Charger	100-240 VAC 2.2A	12V-24V 12.5A (min)	up to 900 mA	Li-Io / LiPo NiMH / NiCd	20"	5.8"	3.6"	3.6

(XX) Interchangeable pod

Vehicle Only Chargers

Features

- Ultra-rugged for Motorola APX6000 / 7000 / 8000 radios
- High impact and vibration tolerant contacts designed for rough driving conditions
- Variety of mounting options
- Models are available for charging one battery (500-KVOAPX1) and 4 batteries (500-KVOAPX4)
- Chargers can be powered by 12 or 24 volt DC power
- Three year warranty



Model: 500-KVOAPX4

XLR Cable for 500-KVOAPX4 shown here



Model: 500-KVOAPX1

(Radio not included)

Part Number	Description	Electrical Data Specs		Battery Voltage Range	DC Power Cable	Dimensions			Wgt (lbs)
		Input	Charge Rate			W	L	H	
500-KVOAPX1	One Unit Charger <i>with locking XLR connector cable</i>	10V-30V 1.0A (min)	up to 1000 mA	7.2V -10.8V	16 AWG	4.4"	2.7"	2.3"	0.5
500-KVOAPX4	Four Unit Charger <i>with locking XLR connector cable</i>	10V-30V 4.0A (min)	up to 1000 mA	7.2V -10.8V	16 AWG	16.0"	10.0"	4.5"	7.3

USB EZ Mount Assembly Features

- Dual USB Charging Port with 12V accessory output
- 4.8 Amps allows charging of both smart phone and tablet at same time
- Can be connected to 12V or 24V switched ignition or direct to battery



Switch Enclosure Features

- Heavy duty enclosure
- SVR switches snap in (accepts switches with pigtail leads only)
- Easy to mount
- Mounts on top or underneath dashboard
- Choice of 3 colors



AUX / USB Pass Through Features

- Front Panel - USB Type-A Receptacle (4 pin), 3.5 Stereo Jack (3 pin)
- Back Panel - 6' USB Type-A plug, 6.3 Stereo plug



Available with Weatherproof door see page 91

Part Number	Description	Dimensions			Wgt.
		L	W	H	
091-219-5-038-1	USB EZ Mount Assembly Plate	3.1"	7.5"	5.5"	1.5 lbs
091-255	Switch Enclosure	3.72"	2.06"	2.18"	.10
091-249	Audio / USB Pass Through	1.73"	0.98"	1.73"	.25
092-249-WP	Audio / USB Pass Through with Weatherproof door	1.73"	0.98"	1.73"	.25

Open Door Indicator Panels



10 Door
091-178-10A



7 Door
091-178-7A

Features

- Choose 10 or 7 door LED display
- Door/compartment mounted switches feed signal to display (switches installer provided)
- Audible alarm options
 - In-dash buzzer
 - In-dash panel with relay for remote high decibel warning device (3A max.)

Optional Audible Alarms



Relay Output
091-178-9



Audible Annunciator
091-178-8

Features

- | | |
|---|--|
| <p>Remote Audible Alarm Relay Panel:</p> <ul style="list-style-type: none"> • Wires to open door indicator panel • Contains relay that actuates remote audible alarm, installer provided | <p>In-Dash Audible Alarm Panel:</p> <ul style="list-style-type: none"> • Wires to open door indicator panel • Contains audible buzzer |
|---|--|

Part Number	Description	Input Power	Dimensions			Wgt.
			L	W	H	
091-178-10A	10 Door Display	12V	1.98"	1.02"	0.45"	1
091-178-7A	7 Door Display	12V	1.98"	1.02"	0.45"	1
091-178-8	Audible Annunciator	12V	1.98"	1.02"	0.45"	1
091-178-9	Relay Output	12V	1.98"	1.02"	0.45"	1

3.1 to 4.8 Amp Max Output Allows Charging Of Two Smart Phones or Tablet And Smart Phone At The Same Time

Features

- Dual USB Charging Ports
- Quick and easy way to recharge electronic devices in a vehicle
- Built-In LED Indicator indicates device is powered
- Designed for easy installation in vehicle switch panels
- Reverse polarity protected
- 3.1 can be connected to a 12V switched ignition or directly to the battery
- 4.8 can be connected to 12 or 24V switched ignition or directly to battery, can charge phone and tablet simultaneously



091-219-WP
(Weatherproof door)

091-219-N

091-219-5

Part Number	Description	Electrical Data			Dimensions			Wgt.
		Input Volts	Output Volts	Output Amps	L	W	H	
091-219	USB Dual Port	8-18 VDC	4.8-5.2 VDC	3.1 Amps	1.73"	0.98"	1.73"	.25
091-219-WP	USB Dual Port with Weatherproof door	8-18 VDC	4.8-5.2 VDC	3.1 Amps	1.73"	0.98"	1.73"	.25
091-219-N	USB Dual Port (NGR)	8-18 VDC	4.8-5.2 VDC	3.1 Amps	1.97"	1.02"	1.79	.25
091-219-N-WP	USB Dual Port (NGR) with Weatherproof door	8-18 VDC	4.8-5.2 VDC	3.1 Amps	1.97"	1.02"	1.79	.25
091-219-5	USB Dual Port 4.8 with terminal connectors	10-30 VDC	4.8-5.2 VDC	4.8 Amps	1.73"	0.98"	1.73"	.25
091-219-5-010	USB Dual Port 4.8 with wires (pigtail lead)	10-30 VDC	4.8-5.2 VDC	4.8 Amps	1.73"	0.98"	1.73"	.25
091-219-5-WP	USB Dual Port 4.8 with Weatherproof door	10-30 VDC	4.8-5.2 VDC	4.8 Amps	1.73"	0.98"	1.73"	.25

Provides Access To Router Or Telephone Line

RJ 45 Features

- Provides access to a router
- Designed for easy installation in the vehicle's switch pane
- Standard RJ45 Connector
- Category 3, 5E, 6, & 6A performance
- EIA/TIA 568A/B compliant ensuring compatibility and reliability
- Fully stamped shielding offers isolation from EMI/RFI



RJ 11 Features

- Provides access to a telephone port
- Designed for easy installation in the vehicle's switch pane
- Standard RJ11 Connector
- Fully stamped shielding offers isolation from EMI/RFI

Part Number	Description	Connectors	Category	Temperature Range	Dimensions			Wgt.
					L	W	H	
091-227	Data Port	RJ45	3, 5E, 6 & 6A	-50°F to +150°F	1.73"	0.98"	1.73"	0.25
091-227-RJ11	Telephone Port	RJ11		-50°F to +150°F	1.73"	0.98"	1.73"	0.25

Touch Sensitive Switch

Features

- Low side switch
- Touch-On / Touch-Off switch
- Built-in LED illuminates when the switch is on
- Lexan® front panel designed for years of durability
- Reverse polarity protected
- Designed for easy installation in the vehicle's switch panel
- Available as a toggle or momentary switch
- Time delay option also available



Part Number	Description	Electrical Data			Dimensions			Wgt.
		DC Volts	Quiescent Current	Switch Rating	L	W	H	
091-222	Auto Touch, Toggle Switch	8-20	0.020 Amps Max	5.0 Amps Max	1.73"	0.98"	1.73"	.25
091-222-MOM	Auto Touch, Momentary Switch	8-20	0.020 Amps Max	5.0 Amps Max	1.73"	0.98"	1.73"	.25
091-222-TD-1	Auto Touch, Timed Delay	8-20	0.020 Amps Max	5.0 Amps Max	1.73"	0.98"	1.73"	.25

Temperature Monitor

Features

- Designed for easy installation in the vehicle's switch panel
- Large 7 segment green LED display
- Reverse polarity protected
- Easy connection to a 12V or 24V switched ignition
- Temperature monitor blinks at 32° F and below to indicate roads may be icy



Remote Sensor with 16' cable included with Temperature Monitor

Mini Battery Voltage Meter

Features

- Monitors battery voltage
- Large 3 digit green LED display
- Reverse polarity protected
- Easy connection to a 12V or 24V switched ignition

Part Number	Description	Electrical Data		Dimensions			Wt.
		DC Volts	DC Amps	L	W	H	
091-224	Temperature Monitor °F	12	0.25A	1.73"	0.98"	1.73"	0.25
091-224C	Temperature Monitor °C	12	0.25A	1.73"	0.98"	1.73"	0.25
091-250-12	Mini Voltage Battery Meter	12	0.4A	1.73"	0.98"	1.73"	0.25
091-250-24	Mini Voltage Battery Meter	24	0.5A	1.73"	0.98"	1.73"	0.25



Features

- 24 hour display (military time)
- OLED display
- Hour/Min using tactile switches
- Display may be switched with ignition to turn "on" or "off" or to set to stay on continuously
- Easy connection to a 12V or 24V switched ignition

Part Number	Description	Electrical Data		Dimensions			Wt.
		DC Volts	DC Amps	L	W	H	
091-257	Switch Clock	10-30	0.0065	1.73"	0.98"	1.73"	0.25

Shore Power / Air Alarm / Level Alarm Audible Alarms with LED

Features

- 85dB alarm
- Built-in LED indicator
- **Shore Power Alarm:** Alerts Driver to disconnected Shore Line
- **Air Line Alarm:** Alerts Driver to disconnected Air Line
- **Level Alarm:** Optional audible alarm for Kussmaul Auto Level (p.31), Alerts driver to vehicle level with high decibel beeping
- Designed for easy installation in the vehicle's switch panel
- Reverse polarity protected
- Audible alarm sounds with illuminated LED



Part Number	Description	Electrical Data		Dimensions			Wgt.
		DC Volts	DC Amps	L	W	H	
091-231-E	Shore Power Alarm, Eaton Euro	10-16	30mA	1.98"	1.02"	0.45"	.25
091-231-N	Shore Power Alarm, Eaton NGR	10-16	30mA	1.98"	1.02"	0.45"	.25
091-231-S	Shore Power Alarm, Eaton SVR	10-16	30mA	1.73"	0.98"	1.73"	.25
091-248-E	Air Line Alarm, Eaton Euro	10-16	30mA	1.98"	1.02"	0.45"	.25
091-248-N	Air Line Alarm, Eaton NGR	10-16	30mA	1.98"	1.02"	0.45"	.25
091-248-S	Air Line Alarm, Eaton SVR	10-16	30mA	1.73"	0.83"	1.73"	.25
091-260-S (Available in 24V)	Level Alarm, <i>Optional</i> Audible Alarm for Auto Level (p.31)	10-16	30mA	1.73"	0.83"	1.73"	.25

Wireless Audio Via Any Cell Phone

Features

- Provides a fully integrated solution for delivering high quality stereo audio in a small form factor
- Fully certified Bluetooth version 3.0 audio module, fully compatible with Bluetooth version 2.1+EDR, 1.2, and 1.1
- Dual-channel, differential audio output for the highest quality audio
- FCC Certification
- Bluetooth SIG Certified
- Profiles include HSP/HFP, A2DP, AVRCP, SPP, and iAP
- Operation Range is 10 meters (33 feet)
- Designed for easy installation in the vehicle's switch panel
- Easy connection to a 12V switched ignition
- Optional mic is available



Part Number	Description	Electrical Data		Dimensions			Wt.
		DC Volts	DC Amps	L	W	H	
091-226	Bluetooth Module	11-16V	0.25A	1.73"	0.98"	1.73"	.25
091-226-007	Optional Mic			10'			