



Warning Signal Alarm Installation Instructions

1. The Safety Sentry™ unit should be mounted as follows for standard dock applications. If using alternate configuration, refer to page 2:
 - E-2000 models will have the Falcon Sensor mounted at 16.5', centered between the two (2) dock positions it will be used on. The Safety Sentry™ unit will be mounted adjacent within 16" (refer to chart and note blue represents Safety Sentry™ units, gray dock openings and black the Falcon sensors).
 - E-4000 models will have the two (2) Falcon Sensors mounted at 16.5', centered between the two (2) dock positions they will each be used on. The Safety Sentry™ unit will be centrally mounted between the two (2) sets of two (2) dock positions (refer to chart).
 - E-6000 models will have the three (3) Falcon Sensors mounted at 16.5', centered between the two (2) dock positions they will each be used on. The Safety Sentry™ unit will be centrally mounted between the three (3) sets of two (2) dock positions (refer to chart). Note the one Falcon adjacent to the Safety Sentry™ unit will have 16" of pre-wire while the other two (2) Falcons will have 33' each.

STANDARD MOUNTING CONFIGURATIONS

MODEL	DESCRIPTION	LOADING DOCK ILLUSTRATION
E-2000	Provides coverage for up to two (2) loading dock positions. Includes one (1) Safety Sentry™ and one (1) sensor with 16" of pre-wire cord (can be up to 33' for ground level mount).	
E-4000	Provides coverage for up to four (4) loading dock positions. Includes one (1) Safety Sentry™ and two (2) sensors with up to 33' of pre-wire cord each.	
E-6000	Provides coverage for up to six (6) loading dock positions. Includes one (1) Safety Sentry™ and three (3) sensors with up to 33' of pre-wire cord each.	

2. Mounting hardware is included with the sensor in the Falcon carton while the Safety Sentry™ hardware is not included. Open the Safety Sentry™ lid using the four (4) corner screws. Note the holes directly adjacent to the screws you just removed. These must be used for mounting to maintain the NEMA 4 rating
3. All Falcon Sensors should be installed at a mounting height of 16.5'. For a maximum 16' sensing field from the wall, use the 30 degree tilt angle. For a maximum 22' sensing field use the 45 degree tilt angle. As a reminder, use the optional E-HDMB mounting bracket extension if any adjacent obstruction (dock shelter, etc.) would interfere with the sensing field.
4. Falcon sensors supplied direct from Erich Industries will be pre-set to appropriate settings. However, if the Falcon was supplied by others then the following adjustments must be made:

Cont.

- Sensitivity - #9 Setting
- Hold Time - .5 Seconds (can be adjusted .5 – 9 seconds depending on preference)
- Relay Configuration - Factory Default N/O Active Output
- Detection Mode - #2 Factory Default Unidirectional Approach
- Rejection Mode - #3 Setting

Refer to the Falcon Users Guide for additional details.

5. The E-ISWL option is an inside building pre-wired strobe light to alert dock workers inside the building when truck is approaching dock and at which position for loading/unloading. This unit would only be used with the E-2000 model and only when the Falcon sensor and Safety Sentry™ are mounted centered directly above only one (1) dock position. You would require one (1) E-2000 and one (1) E-ISWL for each dock position with this configuration. See wiring details.
6. The E-2000L model used inside facility for vehicular traffic/pedestrian approach warning. Mount the sensor (we supply low mount version) in accordance with manufacturer directions with the sensing field positioned to properly detect the vehicle or pedestrian. Position the Safety Sentry™ unit where the siren can be heard and/or the strobe observed by vehicle driver and/or pedestrians depending on your configuration. Questions? 847-606-3667.
7. The Ground Level Mount configuration is simply where the Falcon sensor is mounted at the standard 16.5' height but the Safety Sentry™ is not mounted adjacent. We provide up to 33' of sensor pre-wire and the Safety Sentry™ can then be mounted for example lower at 6' height (eye/ear level). Note it can only be used with the E-2000 model.
8. Some users simply utilize Safety Sentry™ in their plant operations as a warning signal to alert them when trucks arrive for pickup or delivery. Others use in plant operations to warn pedestrians of oncoming material handling vehicles. If you are unsure of the mounting configurations or sensor settings in these applications, please contact us 847-606-3667.
9. All models require 115VAC to operate. If your Safety Sentry™ included the E-PW6C option then the unit can be plugged into an adjacent outlet or run to one with an extension cord. All electrical installation should be completed by qualified personnel and must meet all applicable local, state, federal and other governing agency codes.
10. Upon completion of the installation, please test the system by backing vehicles into the appropriate dock positions. Refer to the Falcon manual for sensor troubleshooting issues. All Safety Sentry™ units are factory tested. If there is a problem, confirm the unit is receiving power. Be sure to retain these directions for future reference. Questions? 847-606-3667

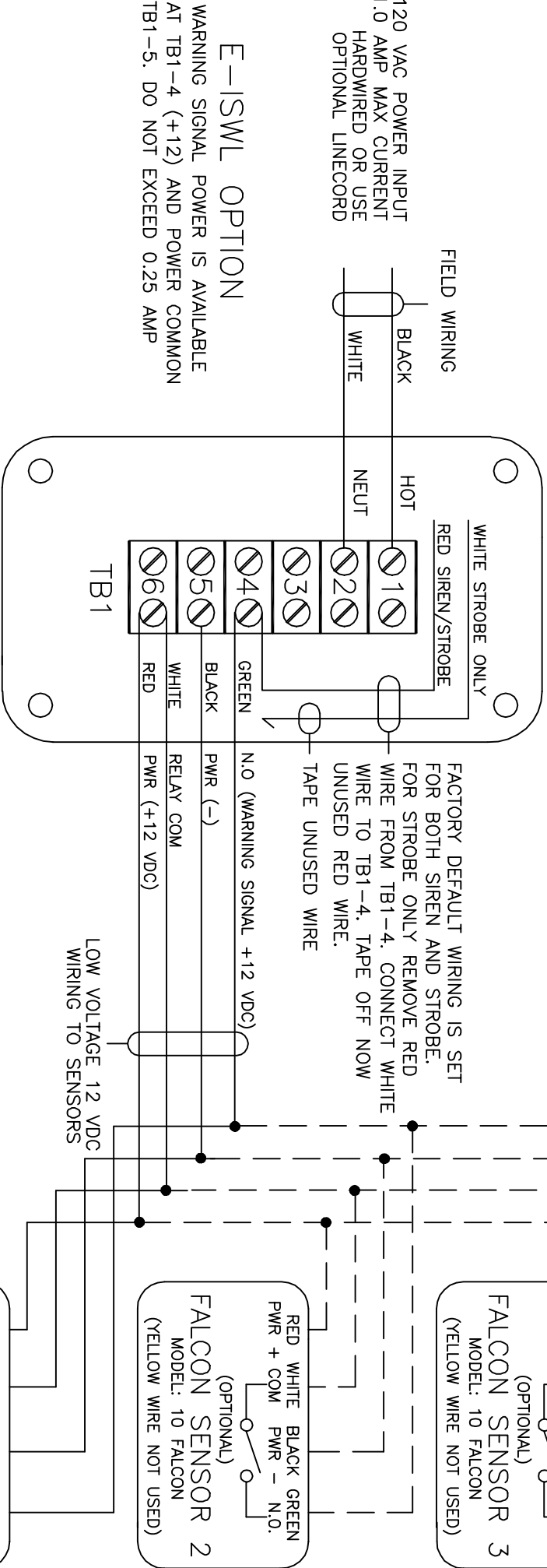
LIABILITY DISCLAIMER & SAFETY WARNINGS
Please review before use of Safety Sentry™

- Erich Industries, Inc. does not take responsibility for the dock area, its use, in any manner; nor do we take responsibility for individuals or companies' lack of safety, design, engineering, use information or lack of, or any lack of training of operation of this product or any other.
- This product is not a substitute for standard safety and driving practices.
- Not responsible for variation of truck widths or sizes.
- Not responsible for truck not in proper position or placement; in any form.
- Not responsible for Safety Sentry™ being stolen, broken, or disconnected.
- This product does not take the place of safe use of vehicle or dock area or any equipment related to area.
- The Safety Sentry's ability to provide a warning signal is only as good as the Falcon Sensors typical ability to detect a vehicles movement. We make no claims beyond any limitation of the Falcon Sensor.
- Not responsible for vehicle drivers or anyone in loading dock area under the influence of drugs or alcohol or other factors limiting effectiveness of Safety Sentry™.
- Neither party under any circumstances, will be liable to the other for damages of any kind, including without limitation, not-specified direct, indirect, incidental, special or consequential damages (including but not limited to, loss of profits, revenue, or business) resulting from or in any way related to the products or their warranty.

SAFETY SENTRY™ WARNING SIGNAL ALARM WIRING DETAIL

FIGURE 1

ALL ADDITIONAL SENSORS ARE PARALLEL WIRED



120 VAC POWER INPUT
1.0 AMP MAX CURRENT
HARDWIRED OR USE
OPTIONAL LNECORD

E-ISWL OPTION

WARNING SIGNAL POWER IS AVAILABLE
AT TB1-4 (+12) AND POWER COMMON
TB1-5. DO NOT EXCEED 0.25 AMP

ERICH INDUSTRIES, INC.
VERONA, WISCONSIN
PHONE: (800) 882-5839
DockSafety.com

ONLY FIELD WIRING IS SHOWN. ALL OTHER WIRING HAS BEEN COMPLETED BY FACTORY

ERICH INDUSTRIES SUPPLIES THE FALCON
SENSOR PRE ADJUSTED FOR PROPER OPERATION.
IF CUSTOMER SUPPLIED SENSORS ARE USED
CONSULT SENSOR MANUFACTURER FOR PROPER
DETECTION PATTERN SETTINGS AS REQUIRED.
VERIFY SENSOR OPERATING VOLTAGE AND OUTPUT
RELAY RATINGS. ELECTRICAL RATINGS SHOWN BELOW.
SENSOR VOLTAGE:
12 VDC
NORMALLY OPEN CONTACT
1.0 AMP 30VDC RATED

RED WHITE BLACK GREEN
PWR + COM PWR - N.O.
(OPTIONAL)
FALCON SENSOR 1
MODEL: 10 FALCON
(YELLOW WIRE NOT USED)

RED WHITE BLACK GREEN
PWR + COM PWR - N.O.
(OPTIONAL)
FALCON SENSOR 2
MODEL: 10 FALCON
(YELLOW WIRE NOT USED)

RED WHITE BLACK GREEN
PWR + COM PWR - N.O.
(OPTIONAL)
FALCON SENSOR 3
MODEL: 10 FALCON
(YELLOW WIRE NOT USED)