

BACKUP ASSISTANCE SYSTEM (BAS) ENCLOSURE CONFIGURATIONS





BAS (BACKUP ASSISTANCE SYSTEM) SYSTEM OVERVIEW



- The BAS (Backup Assistance System) driver assistance system actively monitors the area obstructed from view behind a manned forklift truck to minimizes collisions
- The BAS provides real-time feedback to the driver only when any stationary or moving objects appear in the obstructed-view area behind forklift
- Using the feedback, the driver takes the preventative action to avoid collision with the object
- The system can be tied to the reverse gear of the vehicle to eliminate false alarms
- The system gives real-time feedback to the driver via an audible/visual warning(s)
- The system is available to two electronics versions with a variety of voltages to meet the range of fork lift trucks
- The BAS systems offers two TiM sensor options for indoor (TiM320) and outdoor (TiM351) operation



BAS (BACKUP ASSISTANCE SYSTEM) SYSTEM OVERVIEW

- The BAS System configuration is based on three selections:
- TiM Sensor Type
 - ► TiM320 Indoor, 2 m range, blue
 - ► TiM351 Outdoor, 8 m range, gray
- Electronics Version
 - Enclosure with cables for power and reverse signal
 - Light stack/buzzer (clamp & 2.38 in. socket arm included)
 - Sensor mounting bracket (order mounts as accessories)
 - DIN rail (separate power and reverse signal cables)
 - Buzzer included, light stack optional
 - Sensor mounting bracket
- Input Voltage / Reversing Signal Relay
 - ► Available in 12V, 24V, 48V, 60V, or 72V









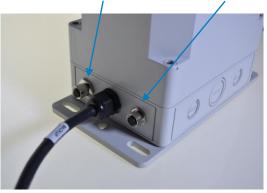
BAS (BACKUP ASSISTANCE SYSTEM) SYSTEM OVERVIEW – ENCLOSURE VERSION

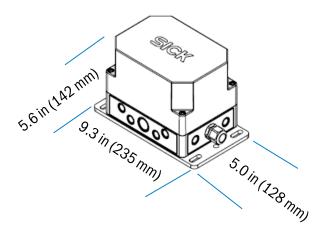


- The BAS System Enclosure version simplifies mounting and electrical connections
 - Pre-assembled cables for power and reverse signal



Connections for Light Stack and Sensor cables

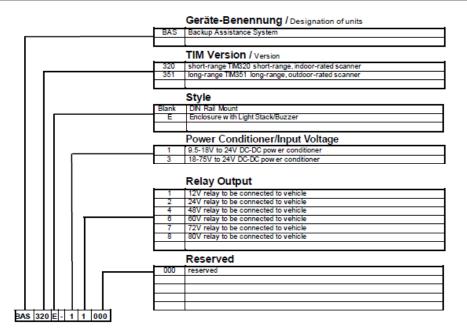




BAS (BACKUP ASSISTANCE SYSTEM) SYSTEM OVERVIEW – ENCLOSURE VERSION P/Ns & SELECTION GUIDE



SICK PN	SHORT TEXT MODEL DESCRIPTION	SENSOR TYPE	FIELD OF APPLICATION	SUPPLY VOLTAGE	REVERSING SIGNAL
1082440	BAS320E-11000	TIM320	Indoor (2 m)	12 VDC	12V relay to be connected to vehicle
1082441	BAS320E-31000	TIM320	Indoor (2 m)	18-75 VDC	12V relay to be connected to vehicle
1082442	BAS320E-32000	TIM320	Indoor (2 m)	24 VDC	24V relay to be connected to vehicle
1082443	BAS320E-34000	TIM320	Indoor (2 m)	48 VDC	48V relay to be connected to vehicle
1082444	BAS320E-36000	TIM320	Indoor (2 m)	60 VDC	60V relay to be connected to vehicle
1082445	BAS320E-37000	TIM320	Indoor (2 m)	72 VDC	72V relay to be connected to vehicle
1082447	BAS351E-11000	TIM351	Indoor or Outdoor (8 m)	12 VDC	12V relay to be connected to vehicle
1082448	BAS351E-31000	TIM351	Indoor or Outdoor (8 m)	18-75 VDC	12V relay to be connected to vehicle
1082449	BAS351E-32000	TIM351	Indoor or Outdoor (8 m)	24 VDC	24V relay to be connected to vehicle
1082450	BAS351E-34000	TIM351	Indoor or Outdoor (8 m)	48 VDC	48V relay to be connected to vehicle
1082451	BAS351E-36000	TIM351	Indoor or Outdoor (8 m)	60 VDC	60V relay to be connected to vehicle
1082452	BAS351E-37000	TIM351	Indoor or Outdoor (8 m)	72 VDC	72V relay to be connected to vehicle



BAS (BACKUP ASSISTANCE SYSTEM) ACCESSORIES: NEED TM SENSOR MOUNTS, LIGHT STACK MOUNTS INCLUDED Sensor Intelligence.

Product Description	SICK Part Number	Part Number	Image	2 VIII AC	Product Description	SICK Part Number	Part Number	Image
	Links at a low of Duran and					Post Clamps		
	Light stack and Buzzer M		å		4" Post Clamp, 3" bolt (1" Ball)	5333539	RAM-B-247U-4	
Light stack mount claw (1" Ba		RAP-B-400-U						
	TiM Sensor Mount		-					
					3" Post Clamp, 3" bolt (1" Ball)	5333540	RAM-B-247U-3	
Sensor Piranha mount (1" Bal	II) 5333547	RAM-B-107-1BU			2.5" Post Clamp, 3" bolt (1" Ball)	5333541	RAM-B-247U-2	
Sensor mount (1" Ball)	5333533 Socket Arms	RAM-B-238U						
	JUCKET AITIS				2" Post Clamp, 3" bolt (1" Ball)	5333542	RAM-B-247U-2	
2.38" Socket arm (1" Ball)	5333534	RAM-B-201U-A			1/2" to 2" Circular post clamp	5333545	RAM-B-108BU	Š
				the second second	Overhead Guard Mount			
3.69" Socket arm (1" Ball)	5333535	RAM-B-201U	1 pm				2444 225	=
			1L	SICK C	Overhead Guard Plate		RAM-335	٩
6" Socket arm (1" Ball)	5333536	RAM-B-201U-C			1" Ball for Overhead Guard Plate	5333544 Security Lock	RAM-B-202U	
			0-0					- leg
Short 1" Ball Adapter	5333537	RAM-B-230			Security Knob Lock	5333546	RAP-S-KNOB3U	