

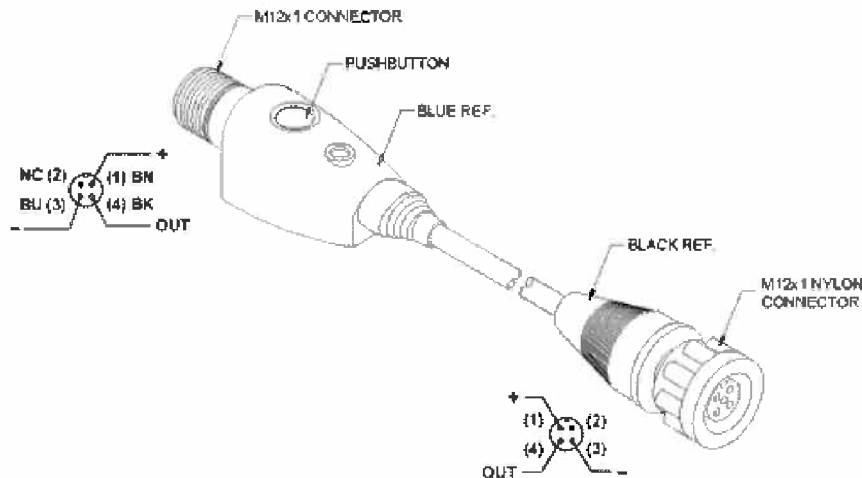


PB100 Teach Accessory

Teaching the Sensing Window Using the PB100

Before operating the VM1, VM18, or XX6V3 series sensors you should teach the sensor the “sensing window”, which is the distance between the Near and Far Limits. Attach the connector end to the sensor and the button end to your matching cable. Press and Hold the pushbutton until the LED fast flashes amber. After you hold the pushbutton for 3 seconds, the LED will slowly flash green, indicating the sensor is in “teach mode.” Release the pushbutton and the LED will continue to slowly flash green, indicating the sensor is awaiting the first Limit setting. Place a target at either the Near or Far Limit point, then press and release the button to teach this first Limit. While the pushbutton is pressed with a Target present, the LED will turn amber to indicate that a valid echo is being detected. After the first Limit has been taught successfully, the LED will slowly flash amber to indicate that the sensor is awaiting the second Limit. Place the target at the second Limit point, then press and release the pushbutton. With a Target present, the LED will turn amber to indicate that a valid echo is being detected. Upon release of the button, the second Limit is taught successfully and the LED will fast flash green for 3 seconds to indicate success. If this does not occur, repeat the “teach process” from beginning. Both the Near and Far Limit values are saved on the sensor in non-volatile memory.

If you desire to teach the sensor a “default window” around the Target, at the first Limit during the teach process press the pushbutton two times in succession, within 1 second. The LED will fast flash green for 3 seconds to indicate success. This will provide a “default window” of preset distance in front of and beyond the Target. The default window for your specific sensor is described in that Instruction set.



LIMITATIONS AND EXCLUSION OF WARRANTIES

All goods purchased shall be free from defects in materials, design and workmanship under normal conditions of use for one year from the date of shipment. THIS WARRANTY IS THE SOLE WARRANTY AND IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF HYDE PARK TO ANY PURCHASER SHALL BE LIMITED EXCLUSIVELY TO THE COST OF REPLACEMENT OR REPAIR OF DEFECTIVE PARTS, AND SHALL NOT INCLUDE LIABILITY FOR ANY DIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER, WHETHER FORESEEN OR UNFORESEEN, INCLUDING BUT NOT LIMITED TO LOST PROFITS, LOST SALES, OR INJURY TO PERSONS OR PROPERTY.

Literature and application engineering assistance are provided by Hyde Park and its authorized distributors to aid the customer in selecting the product for an application. The customer, however, is responsible for determining the suitability of the product in the application.

HYDE PARK ELECTRONICS

1875 Founders Drive

Dayton, Ohio USA 45420-4017

Phone (937) 252-2121 Fax (937) 258-5830

Email: help@sesensors.com Web Site: <http://www.sesensors.com>

© 2004 Hyde Park Electronics LLC