

## **WARRANTY**

Mark-10 Corporation expressly warrants to its buyer for three (3) years from the date of delivery that the goods sold are free from defects in workmanship and materials. Mark-10 Corporation will, at its option, repair or replace or refund the purchase price of goods found to be defective. This remedy shall be the buyer's sole and exclusive remedy. Any modification, abuse, exposure to corrosive environment or use other than intended will void this warranty. This warranty is in lieu of all other warranties, including implied warranties of merchantability and fitness for an intended purpose. In no event shall Mark-10 Corporation be liable for any incidental and consequential damages in connection with goods sold or any part thereof.

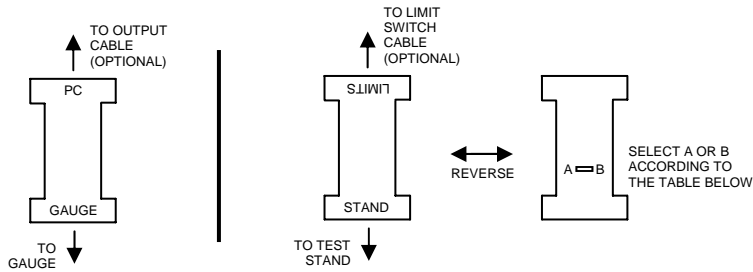
11-1042 OVERLOAD PROTECTION MODULE  
09-1090 SET POINT CABLE

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User's Guide

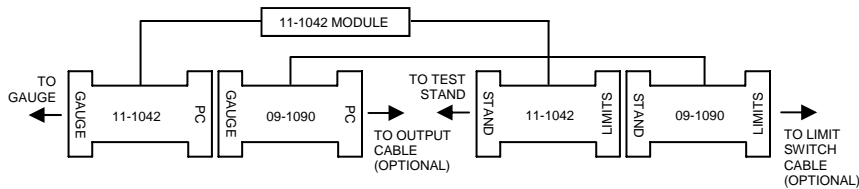
### SETTING UP

Both the 11-1042 overload protection module and 09-1090 share the same dual connectors. Each connector is marked and should be configured as follows:



	A	B
<b>Test stand model</b>	ESM, ESMH, TSTMH	TSTM, TSFM500, TSFM500H, TSFM1000, TSFM1000H

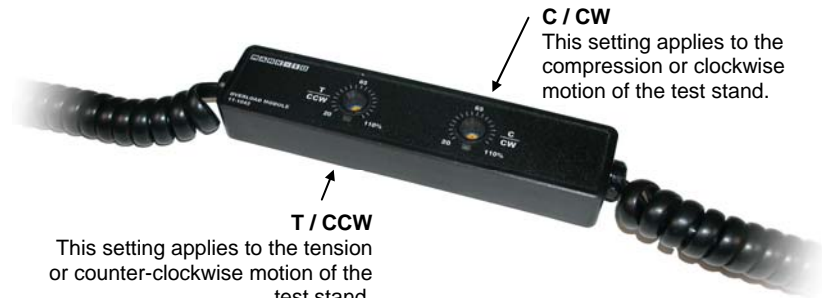
If using the overload protection module and 09-1090 set point cable simultaneously, they should be configured as follows:



### 11-1042 OVERLOAD PROTECTION MODULE

This device is designed to prevent accidental overload to a Mark-10 gauge or sensor when used with any Mark-10 motorized test stand. Applicable gauges are the BG, BGI, CG, and EG (if equipped with optional outputs package). The module operates in both force and torque applications.

Set the percentage of full scale of the gauge or sensor at which the test stand is to stop moving by adjusting the two potentiometers on the module with a Philips screwdriver. The percentage range is 20 - 110% of full scale. See the illustration on the following page.



**T / CCW**  
This setting applies to the tension or counter-clockwise motion of the test stand.

**C / CW**  
This setting applies to the compression or clockwise motion of the test stand.

Once the percentages have been set, set up the test sample and proceed with the motorized test. When the force or torque threshold has been reached, the stand will stop moving, the module will produce a constant audible tone and the indicator below the potentiometer will be lit. The tone and indicator light will not turn off until the force or torque decreases to below the threshold value.

**Note:** It is highly recommended that the first test be performed at low speed to ensure that the module is functioning properly.

### 09-1090 SET POINT CABLE

This cable is designed to stop the motion of any Mark-10 motorized test stand travel at user-programmable set points with a BG, BGI, or CG gauge. Refer to your gauge's user's guide for programming instructions.

Cable configuration instructions are provided on the previous page.