

MODEL 82-23-1

DEMA[®] MAGNETIC FIELD READER

INSTRUCTION SHEET

1. Purpose:

The DEMA[®] Magnetic Field Reader eliminates the need to make wire connections to warewash and laundry machines. The DEMA[®] Magnetic Field Reader detects the presence of the magnetic field surrounding an AC solenoid valve or AC motor. This may then be used as a trigger signal to a DEMA[®] Titan warewash or 581K or 840 SPL (Single Product Laundry Dispenser).

2. PARTS / COMPONENTS:

- A. Magnetic Field Reader
- B. Hook & Loop Strap
- C. Strain Relief

3. USE WITH A DEMA[®] TITAN[™] OR NITRO WAREWASH DISPENSER:

- Disconnect the power from the dispenser and the warewash machine.
- Disconnect rinse or wash trigger cable (81-153-1) from the control board (81-150-1).
- Route the Magnetic Field Reader cable in to the enclosure.
- Plug the Magnetic Field Reader cable into rinse or wash trigger connector on the control board (81-150-1).
- With the door of the dispenser fully open; secure the Magnetic Field Reader cable in the bottom of the dispenser with strain relief (81-183-1).
- Close the door on the dispenser.
- Place the Magnetic Field Reader against the coil of the solenoid valve or motor housing to be used for sensing. The sensing element is on the bottom side of the Magnetic Field Reader below the point of the arrow that is on the top.
- Secure the Magnetic Field Reader in place with the Hook & Loop strap. The strap may be trimmed as required.
- Turn on the power to the dispenser. Turn on the power to the warewash machine.
- Energize the solenoid valve or motor to which the Magnetic Field Reader is attached.
- After one second a green LED on the Magnetic Field Reader should illuminate next to the cable. If it does not illuminate, reposition the sensor until it does.
- De-energize the solenoid valve or motor. The green LED should turn off after one second. If it stays on, reposition the sensor.
- When properly installed the green LED will turn on and off one second after the solenoid valve or motor to which it is attached.

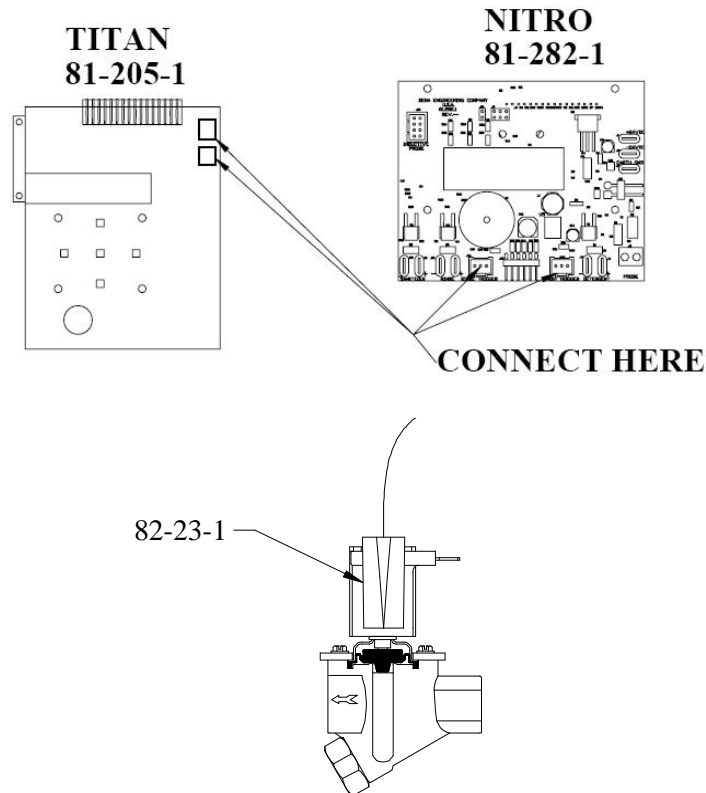
DEMA Engineering Company
10020 Big Bend Blvd.
St. Louis, MO 63122
(800) 325-3362 or (314) 966-3533
www.demaeng.com

MODEL 82-23-1

DEMA[®] MAGNETIC FIELD READER

INSTRUCTION SHEET

Fig. 1



Product Warranty

DEMA products are warranted against defective material and workmanship under normal use and service for one year from the date of manufacture. This limited warranty does not apply to any products that have a normal life shorter than one year or failure and damage caused by chemicals, corrosion, physical abuse, or misapplication. Rubber and synthetic rubber parts such as "o"-rings, diaphragms, PVC tubing, and gaskets are considered expendable and are not covered under warranty. This warranty is extended only to the original buyer of DEMA products. If products are altered or repaired without prior approval of DEMA, this warranty is void.

Defective units or parts should be returned to the factory with transportation prepaid. If inspection shows them to be defective, they will be repaired or replaced without charge, F.O.B. factory. DEMA assumes no liability for damages. Return merchandise authorization number must be granted in advance of returned units for repair or replacement (See "Merchandise Returns" above).

Merchandise Returns

No Merchandise will be Returned for Credit Without DEMA'S Written Permission. Returned Merchandise Authorization Number is Required in Advance of Return.