NEW
IMPROVED! LEVELING UNIT
IP8300-PLUS

FEATURES:

- MODULARITY: RELAY, POWER BOARD/BOX, CABLE, SENSOR HEAD AND GUIDE ASSEMBLY.
- REGULATED POWER SUPPLY WITH LED INDICATION.
- EACH OUTPUT WITH LED INDICATION.
- EACH CONTACT OUTPUT WITH CONTACT SUPPRESSION.
- PLUGABLE TERMINAL FOR FIELD Wiring.
- BOX SIZE: 5 3/4" X 7" X 2" (BOX NOT SHOWN).
- SENSOR HEAD, EASILY REMOVED BY UNSCREwing TWO THUMBSCREws.
- SOCKET MOUNTED RELAYS.
- SOCKET MOUNTED IC'S.
- POWER FOR LEVELING UNIT 90VAC TO 135VAC
- NORMALLY OPEN AND OR NORMALLY CLOSED.
- LEVELING UNIT WITH UNIQUE FLOATING GUIDE SYSTEM WHICH INSURES MINIMUM WEAR OF TAPE GUIDES.
- TAPE GUIDES SECURED WITH THUMBSCREws.

CLADDAGH ELECTRONICS LTD.,
10-49 47th ROAD, L.I.C., NY 11101
TEL 718-784-0571

4 FOOT LONG CABLE WITH DB15 CONNECTORS ON EACH END.
SPECs ON RELAY USED IN THE IP8300-PLUS LEVELING UNIT

MANUFACTURER: FUJITSU
PART NUMBER FBR244/D012/02CS
CONTACT RATING, RESISTOR LOAD
   20VDC @ 1 AMP, 120VAC @ 0.5 AMP
SWITCHING CURRENT
   2 AMP DC, 1.25 AMP AC
DIELECTIC WITHSTANDING VOLTAGE
   500VAC
MECHANICAL LIFE
   20,000,000 OPERATIONS

THIS DOUBLE POLE DOUBLE THROW RELAY IS CONNECTED WITH BOTH CONTACTS IN SERIES AND WITH AN RC SUPPRESSOR CIRCUIT CONNECTED ACROSS THE SERIES CONTACTS.

\[ \text{Typical Output} \]

A LIFE CYCLE TEST WAS PREFORMED ON THIS RELAY IN THE FOLLOWING CIRCUITS:

TEST RELAY CONTACTS
\[ \text{PRD}11\text{AYA} \]
\[ 220VAC \]
\[ 25 \text{ AMP CONTACTS} \]
\[ 220VAC \text{ SUPPLY} \]

TEST RELAY CONTACTS
\[ \text{P&B,3PDT,PLUGIN TYPE} \]
\[ 110VDC \]
\[ 10 \text{ AMP CONTACTS} \]
\[ 240VDC \text{ SUPPLY} \]

IN THE ABOVE TEST, 20 RELAYS FOR EACH CIRCUIT PASSED SUCCESSFULLY FOR 500,000 OPERATIONS.

CONTACT RATING
FUJITSU RELAY FBR244/D012/02CS
CLADDAGH ELECTRONICS, LTD. 718-784-0571
9 OUTPUT CARD

C1 1 2 3 4 5 6 7 8 9  C2
BASIC CIRCUIT OUTPUT

C1 1 2 3 4 5 6 7 8 9  C2

C1 1 2 3 4 5 6 7 8 9  C2
SPECIAL CIRCUIT FOR ARMOR

12 OUTPUT CARD

C1 1 2 3 4 5 6 7 8 9 10 11 12  C3
BASIC CIRCUIT OUTPUT

C1 1 2 3 4 5 6 7 8 9 10 11 12  C3

C1 1 2 3 4 5 6 7 8 9 10 11 12  C3

* ... THESE OUTPUTS HAVE TWO INPUTS
eg. DOOR ZONE

... THE ABOVE CONTACTS ARE SHOWN AS NORMALLY OPEN CONTACTS FOR
SIMPLICITY. YOU MAY ARRANGE ANY COMBINATION OF NORMALLY OPEN AND
NORMALLY CLOSED CONTACTS FOR YOUR JOB.
PARTS LIST

(Note, Claddagh Electronics does not supply these parts.)

B1...4 BOLTS, 1/2" X 1 1/2" LONG
B2...4 BOLTS, 5/16" X 1" LONG
N1...4 KINDOFF NUTS for 1/2" BOLT
N2...2 KINDOFF NUTS for 5/16" BOLT
K1...KINDOFF CHANNEL, #B905
T1...KINDOFF TEE, #
R1...4 RAIL CLIPS
TOP and BOTTOM TAPE BRACKET

USE 3/8" BOLT with LOCK WASHER & NUT TO SECURE TOP TAPE BRACKET

THIS MEASUREMENT SHOULD BE SAME

TURN TAPE UNDER CLAMP and TIGHTEN

USE 3/8" BOLT with LOCK WASHER & NUT TO SECURE BOTTOM TAPE BRACKET

Mount Relay Box On Top Of Kindoff

Mount under Crosshead

file: t87inst2.dwg

IP8300-PLUS
CAR TOP SELECTOR
T87_INST2.DWG  11/89
CLADDAGH ELECTRONICS, LTD.

SOME COMMON CAUSES OF PREMATURE TAPE GUIDE WEAR