



APPLICATIONS NOTICE

temperzone limited
Auckland, NEW ZEALAND.
Phone 0-9-279 5250, Fax 0-9-275 5637
Email sales@temperzone.co.nz

temperzone australia pty ltd
Sydney, AUSTRALIA.
Phone (02) 9671 5055, Fax (02) 9622 3154
Email sales@temperzone.com.au

Form NS 006

TO: AUTHORISED DEALERS / DISTRIBUTORS
NZ APPROVED INSTALLERS
HO, REG'L & AUST. MANAGERS
APPLIC. NOTICE GENERAL LIST

ISSUE NO. : 03/01
DATE: 25 JUNE 2001
FROM: C Snell / K Edwards

SUBJECT: TIMERS, CONTACTORS, RELAYS

We have recently been made aware that when Contactors or Relays have failed in units that have been operating for some time they are sometimes being replaced with a different make or model number. This practice can have serious problems if the replacement is not selected with great care and attention. Particularly if you are dealing with the temperzone lock-out arrangement.

We are currently using the ICM range of Timers and the models are:
Delay on Break (DOB) -- APS00C2X600
Delay on Make (DOM) -- HMPS-AH1103

The above Timers will not operate correctly in the following situations.

1. With solid state relays in any situation.
2. Using the Delay on Make Timer with the Telemecanique contactor LC1091.
3. Using Timers in series together i.e. DOM + DOB
4. The Timers will not time where there is a chattering control signal i.e. from a thermostat, flow switch.

The following rules must apply when dealing with the temperzone Lock-Out arrangement.

When using the temperzone Delay on Break lock - out arrangement (see attached drawing) the following Contactors are the only approved combinations:

1. As a LOC relay: Omron LY2
Omron LY3
Song Chuan SCLDPDT
2. As a CMCC Contactor: Telemecanique LC1D1201
Sprecher & Schuh CA3-30
Products Unlimited 1 Pole
Products Unlimited 2 Pole

If it is not possible to obtain the above parts, contact your nearest temperzone office for advice. As a general rule the Lock-Out relay 'LOC' should have a resistance of at least 9000 Ohms and the contactor CMC should be rated greater than 2.2 kW @ 230 V.

Always test the circuit after replacing any components.

Should the ICM timers a) Not be available or b) Your unit is fitted with a alternative timer, the following timers have been approved for use.

1. Mars models 32391 and 32392
2. Echowell models BAUV300 and MDUV480