

SMARTLIMIT and SMARTSAFE Modules for CM Hoists

SMART modules provide additional functionality and safety features to 3-phase CM hoists. SMARTLIMIT converts a Low Voltage controlled Hoist to Direct Control, and SMARTSAFE corrects incoming power phase rotation errors.

SMARTLIMIT

Converts a Low Voltage control CM Hoist to Direct Control
Eliminates need for control cable, only three-phase power cable is required

Detects incoming phase and connects the relevant Contactor and Limit Switch, maintaining vital safety function.

Hoist can be controlled by Direct phase-reversing controllers such as DM4 or DM8

No power at the motor unless it is moving

Automatically detects and corrects for wrong incoming phase rotation in CM hoist

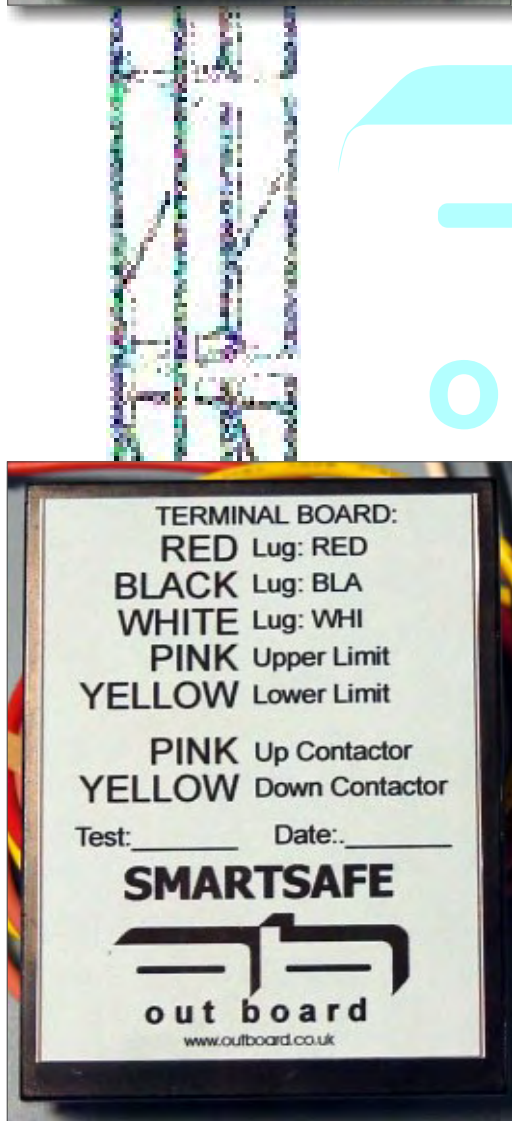
Maintains correct direction control of motor instead of stopping it working

Minimises potential for damage to truss due to incorrect or faulty hoist power cabling

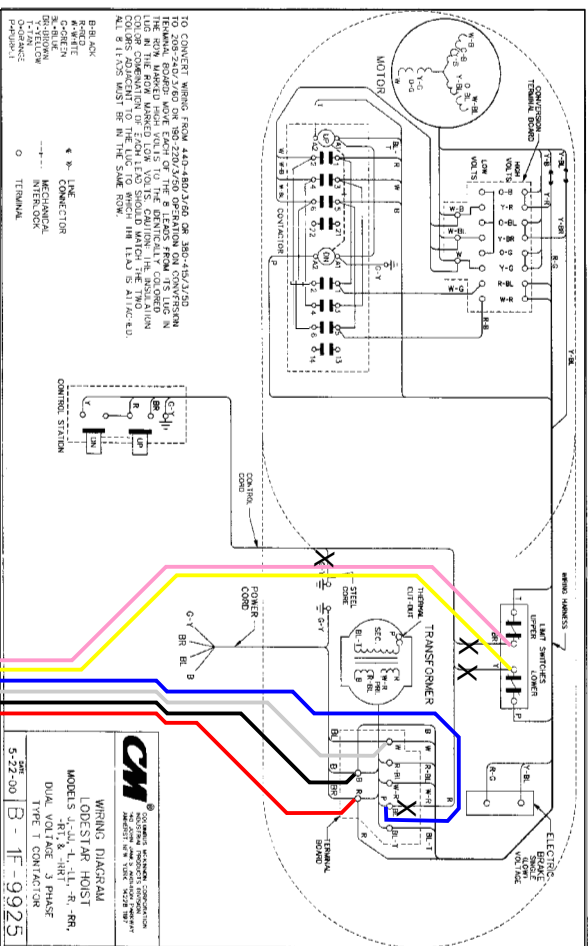
SMARTSAFE

SMART modules are supplied with ready to install cable assembly and are simple to fit in about 15 minutes

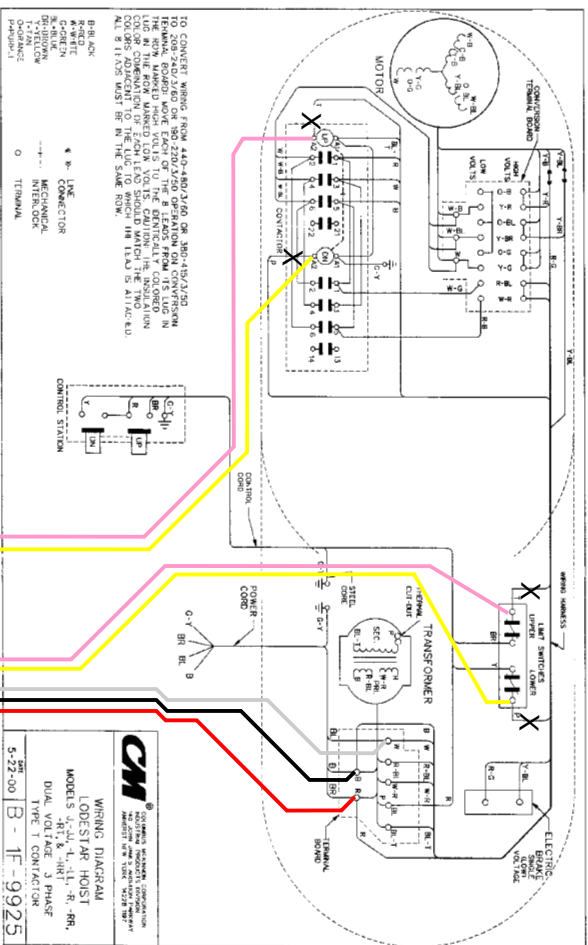
Modules shown approx actual size, 83 x 63 x 34mm



Fitting a SMARTLIMIT



Fitting a SMARTSAFE



- 1/ Change over the wire links on the output of the contactor assembly So that 2 links to 2, 4 links to 4 and 6 links to 6.
- 2/ Remove direction control cable from motor: (Cables marked X)
- 3/ Fit loom assemble through motor from contactor to transformer terminal board.
- 4/ Make connection as instructed above.



- 1/ Remove the cable marked P that runs from lower limit switch to down contactor.
- 2/ Remove the cable marked T that runs from upper limit switch to up contactor.
- 3/ Fit loom assemble (red, black, white, pink and yellow) through motor from contactor to transformer terminal board. The other pink and yellow go to the contactors. Pink replacing T and yellow replacing P.
- 4/ Make connection as instructed above.

