INSTRUCTION BOOKLET FOR

CONTACT LOOP CONTROL
MODEL #CLC-2

MANUFACTURERS OF COIL HANDLING EQUIPMENT
Durant Tool Company

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12/03

ATTENTION: PLANT MANAGER

Thank you for purchasing Durant equipment. Enclosed are very important safety instructions, operating instructions, and setup procedures.

Read all these materials completely and carefully. Please distribute copies to your SAFETY MANAGER, PRODUCTION MANAGER, and MACHINE OPERATORS.

If there is any help required in setup or operation, we will be readily available for your assistance.

Thank you again and we look forward to developing and maintaining a fine relationship with your company.

Sincerely,

DURANT TOOL COMPANY

SAFETY INSTRUCTIONS FOR ALL DURANT EQUIPMENT

The enclosed information and instructions must be forwarded and distributed to the Plant Safety Director, Plant Manager, Production Manager, and all Operators of Durant equipment.

Operators of Durant equipment must have a minimum of (3) three years operating experience with similar Durant press room equipment or a minimum of (3) three years experience with identical equipment manufactured by other press room equipment manufacturers.

WARNING

Never operate, install, or maintain this machine without understanding the complete and safe operation thereof.

It is the employer's responsibility to provide proper safety devices and equipment to safeguard the operator from harm and to safeguard this machine at all times to meet all current government safety codes and standards.

CAUTION

All Durant equipment must be securely fastened to the floor. This will prevent the machine from tipping. Failure to follow the above instructions could cause harm to the operator or machine.

ATTENTION

If any danger points are observed:

1. Immediately stop machine.
2. Do not run machine until danger point is eliminated.
3. Report danger point in writing to your employer.
4. Keep a copy of your report for your records.
5. Do not run machine again until danger point has been corrected.
6. It is your employer's responsibility to safeguard this machine to meet all government safety codes and standards.
7. There are U.S. companies that specifically specialize in safe guarding machines to plant requirements and government codes. The safe guarding companies are located throughout the United States, Canada, and foreign countries. Representatives will visit your site to advise and recommend safe guarding procedures for your company.

IMPORTANT

Before the first use and monthly thereafter, all nuts, screws, and bolts should be checked for tightness. Gears, sprockets, chains, and belts should also be checked for tightness.

Grease and oil fittings and reducers monthly.

Mechanical Setup:

1. Antenna stand is supplied in two pieces, a cast base & pole. The pole screws in the base.
2. The main enclosure which is 6”H x 4”W x 4”D and is to be mounted to the antenna stand via clips supplied on back of enclosure.
3. **Unwind** applications: Off limit switch to be located at the bottom of the stand. On limit switch to be located at the top of the stand.
   Rewind applications: On limit switch to be located at the bottom of the stand. Off limit switch to be located at the top of the stand.

Wiring Setup:

1. Supply Voltage: 115 vac 1 phase, 60 hz [L1=TB1-1, N=TB1-2] ORANGE MALE CORD
2. Ground terminals to be connected to the earth ground. [Tb1-3,4,5]
   (**Note:** *Your material and equipment must be earth grounded for this system to function).*
3. E-Stop circuit. TB 3-4 is the terminal for the E-Stop circuit. A N/C E-Stop Pushbutton should be connected between Ground TB1-3 & TB3-4.
   (**Note:** *If you are not using the E-Stop circuit you must place a jumper between terminals TB3-4 & TB1-3!)*
4. Output: Form “C” Relay contact. [TB2-5= common, TB2-3=N/C, TB2-2=N/O] ORANGE CORD *(Relay contacts are fused at 5 amps).*
5. Output: 115VAC On/Off. ORANGE FEMALE CORD *(Relay contacts are fused at 5 amps).*

Operation Procedure:

1. When the material touches top ON limit switch (terminal TB3-2) the internal Relay Energizes.

2. When the material touches bottom OFF limit switch (terminal TB3-5) the internal Relay De-Energizes.

Terminals:

TB1-1 = LI (115 vac)
TB1-2 = Neutral (115 vac)
TB1-3 = Ground terminal
TB1-4 = Ground terminal
TB1-5 = Ground terminal
TB2-2 = N.O. Isolated Contact
TB2-3 = N.C. Isolated Contact
TB2-5 = Common Isolated Contact
TB3-2 = Relay energize (On) circuit
TB3-4 = E-Stop circuit
TB3-5 = Relay De-energize (Off) circuit