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<th>DRAWING NO.</th>
<th>SHEET NO</th>
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<th>ISSUE NUMBER</th>
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<tbody>
<tr>
<td>119050</td>
<td>ALL</td>
<td>3300, 3310, 3320 SERIES SETS</td>
<td>1 1 2 3 4 5 6 5 5 5 6</td>
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<tr>
<td>9334WD</td>
<td>I</td>
<td>KEYBOARD</td>
<td>1 1 1 1 2 2 2 2 2 2 2</td>
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<tr>
<td>9335WD</td>
<td>I</td>
<td>WIRING DIAGRAM FOR TYPING UNIT</td>
<td>1 2 2 2 3 4 4 4 4 4 4</td>
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<tr>
<td>4405WD</td>
<td>ALL</td>
<td>WIRING DIAGRAM FOR MOTORS</td>
<td>6 6 6 7 7 7 7 7 7 7 7</td>
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<tr>
<td>9336WD</td>
<td>ALL</td>
<td>WIRING DIAGRAM FOR CALL CONTROL UNIT UCC6</td>
<td>- 1 1 1 1 1 1 1 1 1 1 2</td>
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<tr>
<td>4970WD</td>
<td>I</td>
<td>WIRING DIAGRAM FOR SELECTOR MAGNET DRIVER</td>
<td>6 6 6 6 6 6 6 6 6 6 6 6</td>
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<td>-</td>
<td>WIRING DIAGRAM FOR KEYBOARD REFER TO 9334WD ABOVE</td>
<td>-  -  -  -  -  -  -  -  -  -  -  -</td>
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<tr>
<td>7667WD</td>
<td>I</td>
<td>WIRING DIAGRAM FOR READER</td>
<td>3 3 3 3 4 4 4 4 4 4 4 4</td>
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<tr>
<td></td>
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**CIRCUIT CARDS**

<table>
<thead>
<tr>
<th>SHEET NO</th>
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<tbody>
<tr>
<td>181821</td>
<td>SELECTOR MAGNET DRIVER</td>
<td>10 10 10 10 10 10 10 12 12 12</td>
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<tr>
<td>183079</td>
<td>AUTOMATIC READER POWER PACK</td>
<td>9A 9A 10 10 11 12 13 13 13 13</td>
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<td>183087</td>
<td>MANUAL READER POWER PACK</td>
<td>11 11 11 11 11 12 12 13 13 13</td>
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**TELETYP CORP**

21643R NOTE: THE LAST COMPLETED COLUMN INDICATES THE LATEST ISSUE NUMBER OF WDP.
## SHEET INDEX

<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>SHEET NO.</th>
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<th>SHEET NO.</th>
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<tr>
<td></td>
<td>A1</td>
<td>1 2 3 4 5 6</td>
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<td>SUPPORTING INFORMATION</td>
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<tr>
<td>FS-1 RECEIVE</td>
<td>B1</td>
<td>1 1 1 1 1 1</td>
<td>B1</td>
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<tr>
<td>FS-2 SEND</td>
<td>B2</td>
<td>1 1 1 1 2 2</td>
<td>B2</td>
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<tr>
<td>FS-3 LOCAL LOOP CURRENT SUPPLY</td>
<td>B3</td>
<td>1 1 1 2 2</td>
<td>B3</td>
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<tr>
<td>FS-4 MODE CONTROL</td>
<td>B4</td>
<td>1 1 1 1 1</td>
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<tr>
<td>FS-5 AUXILIARY CIRCUITS</td>
<td>B5</td>
<td>1 1 1 1 1 1</td>
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<td>FS-6 READER CONTROL</td>
<td>B6</td>
<td>1 1 1 1 1 1</td>
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<td>FS-7 AUTOMATIC READER LOGIC</td>
<td>B7</td>
<td>1 1 1 1 1</td>
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<td>FS-8 READER FEED</td>
<td>B8</td>
<td>1 1 1 1 1 2</td>
<td>B8</td>
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<tr>
<td>FS-9 115V AC POWER DISTRIBUTION</td>
<td>B9</td>
<td>1 1 1 1 1 1 2</td>
<td>B9</td>
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<tr>
<td>FS-10 MOTOR</td>
<td>B10</td>
<td>1 1 1 1 1 1 1 1</td>
<td>B10</td>
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<tr>
<td>FS-11 48V AC POWER DISTRIBUTION</td>
<td>D11</td>
<td>1 1 1 1 1 1 1 2 2 2 2</td>
<td>D11</td>
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<tr>
<td>APPARATUS FIGURES</td>
<td>C1</td>
<td>1 1 1 1</td>
<td>C1</td>
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</table>

### SHEET INDEX NOTES

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5. **Issue dates will be shown on the sheet index only.**

---

**MODEL 33**
RO, KSB, AND ASR SETS
3300, 3310, 3320 SERIES

---

**APPROVALS**

<table>
<thead>
<tr>
<th>PROJ.</th>
<th>SUP.</th>
<th>MFG. REL.</th>
</tr>
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<tr>
<td>DFR</td>
<td>KRS</td>
<td>18/11</td>
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<table>
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<th>ENG. DFR</th>
<th>GSNR</th>
<th>DFM. 5LD</th>
<th>DATE 6-16-71</th>
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<td>6-4152.2/13</td>
<td>5-NUMBER 61.910</td>
<td>3-118050-A1</td>
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</tbody>
</table>
FS-3
LOCAL LOCP CURRENT SUPPLY

FS-11
48V AC POWER DISTRIBUTION

TERMINAL FIELD 3

TERMINAL FIELD 4

115V AC

48V AC

FS-4
MODE CONTROL

OPTION:
LOCAL LOOP CURRENT
BLUE

E

380
230

450

A

B

C

D

E
FS-5
AUXILIARY CIRCUITS
(FOR CUSTOMER USE)

PAPER ALARM

<table>
<thead>
<tr>
<th>TITLE</th>
<th>CONDITION SIGNALLED</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FRICTION:</td>
<td>LOW PAPER SWITCH</td>
<td>SNAP ACTION SWITCH</td>
</tr>
<tr>
<td>SPACER:</td>
<td>PAPER OUT CONTACT</td>
<td>END OF LAST FORM</td>
</tr>
</tbody>
</table>

LOCATION  CONTACT RATING

<table>
<thead>
<tr>
<th>FRICTION:</th>
<th>IN FRONT OF MOTOR FAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPACER:</td>
<td>NEAR LEFT END OF PLATE</td>
</tr>
</tbody>
</table>

CUSTOMER ACCESS TO THE FINS SHOWN IS TO BE MADE FROM INSIDE THE ROLL CONTROL, LEFT BACK PLATE. USING 18AWG (20-26 AWG) OR 185677 (10-20 AWG) FEMALE TERMINALS.
<table>
<thead>
<tr>
<th>CONTENTS</th>
<th>SHEET NO.</th>
<th>ISSUE NO.</th>
<th>SHEET NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBI361 &amp; IBI861 MOTORS, 60 HZ</td>
<td>1</td>
<td>11 12 13 13</td>
<td>1</td>
</tr>
<tr>
<td>IBI870 &amp; I82241 MOTORS, 60HZ, 192267 MOTOR, 50 HZ</td>
<td>2</td>
<td>12 13 14 14</td>
<td>2</td>
</tr>
<tr>
<td>333521 AC SERIES MOTOR</td>
<td>3</td>
<td>1 2 3</td>
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</table>

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**ACTUAL WIRING DIAGRAM FOR MODEL 32/33 MOTORS**

**APPROVALS**

**ENGR. PRS**

**ORN. LAB** DATE: 12-15-70

**R&D FILE**

**S-NUMBER**

**TELETYPE**

**4405 WD**
ACTUAL WD FOR 181361 MOTOR (60 HERTZ)

MOTOR 181361 SYNCHRONOUS

A

RELAY 181365 5 OHMS

B

182182 FUSEHOLDER 145643 1/AMP. 1-AMP BL FUSE

C

CAPACITOR 88-108 MFD 181384

D

CAPACITOR 47-56 MFD 181394

E

182182 FUSEHOLDER 143306 10 AMP SL-BL FUSE

F

181861 MOTOR (60 HERTZ)

A

RELAY 181669 5 OHMS

B

CAPACITOR 5 MFD 181387

C

CAPACITOR 47-56 MFD 181394

D

182182 FUSEHOLDER 143306 10 AMP SL-BL FUSE

F

TELETYPewriter CORPORATION
### Wiring Code
- **Distant Terminating Area**
- **Distant Terminating Point**
- **Color Code**

- **A3-BL**

### Capacitor Filter
*(182501)*

- **EB-BR-Y**
- **DB-BR-Y**
- **BG-Y-G**
- **DB-O**

### Transformer, Power
*(337992)* 50/60 Hz

- **Note 5**

### Transistor, Power
*(181675)*

### Connector, Card
*(181819)*

### Connector, Receptacle
*(182716)*

---

**Actual Wiring Diagram**

**For**
- **182695 & 181675 Selector Magnet Driver**

**Approvals**
- **D and R**
- **E of M**

**E-NR**
- **PROG NO. 4970 WD**
- **DATE: 6-22-82**
- **PD FILE NO. 165-32A**
- **DRAWN: C.C. CHOI**
- **ENG: P.B. APPO**

**TELETYPEN CORPORATION**

**4970 WD**
**DESIGN NO. 183079**

**DESCRIPTION**
- **C1**: Capacitor, dual section A, 200 microfarads (uF), 250 volts (V), power supply filter.
- **C2**: Capacitor, 22 microfarads (uF), 63 volts (V), surge source.
- **C3**: Capacitor, 33 microfarads (uF), power supply filter.
- **C4**: Capacitor, same as C3, power supply rectifier.
- **C5**: Same as C3, power supply rectifier.
- **C6**: Same as C3, power supply rectifier.
- **C7**: Same as C3, power supply rectifier.
- **F1**: Fuse, 5/16 A, 250 volts (V), power supply protection (see note B1).
- **F2**: Fuse clip, same as F1.
- **T1**: Terminal, with mine load same as T1.
- **J1**: Contact block, 16 point, same as J1.
- **E1**: Terminal, male P.C., same as E1.
- **EC1**: Etched circuit board, same as EC1.
- **D1**: Relay, 100 ohms (Ω), automatic reader control (see note C).
- **H1**: Transformer, 4-40 PSI, head.
- **H2**: Transformer, 4-40 PSI, head.
- **H3**: Transformer, 4-40 PSI, head.
- **H4**: Transformer, 4-40 PSI, head.
- **H5**: Transformer, 4-40 PSI, head.
- **H6**: Transformer, 4-40 PSI, head.
- **H7**: Transformer, 4-40 PSI, head.
- **H8**: Transformer, 4-40 PSI, head.
- **H9**: Transformer, 4-40 PSI, head.
- **H10**: Transformer, 4-40 PSI, head.
- **H11**: Transformer, 4-40 PSI, head.
- **H12**: Transformer, 4-40 PSI, head.
- **H13**: Transformer, 4-40 PSI, head.
- **H14**: Transformer, 4-40 PSI, head.
- **H15**: Transformer, 4-40 PSI, head.
- **H16**: Transformer, 4-40 PSI, head.
- **H17**: Transformer, 4-40 PSI, head.
- **H18**: Transformer, 4-40 PSI, head.
- **H19**: Transformer, 4-40 PSI, head.
- **H20**: Transformer, 4-40 PSI, head.
- **H21**: Transformer, 4-40 PSI, head.
- **H22**: Transformer, 4-40 PSI, head.
- **H23**: Transformer, 4-40 PSI, head.
- **H24**: Transformer, 4-40 PSI, head.
- **H25**: Transformer, 4-40 PSI, head.
- **H26**: Transformer, 4-40 PSI, head.
- **H27**: Transformer, 4-40 PSI, head.
- **H28**: Transformer, 4-40 PSI, head.
- **H29**: Transformer, 4-40 PSI, head.
- **H30**: Transformer, 4-40 PSI, head.
- **H31**: Transformer, 4-40 PSI, head.
- **H32**: Transformer, 4-40 PSI, head.
- **H33**: Transformer, 4-40 PSI, head.
- **H34**: Transformer, 4-40 PSI, head.
- **H35**: Transformer, 4-40 PSI, head.
- **H36**: Transformer, 4-40 PSI, head.
- **H37**: Transformer, 4-40 PSI, head.
- **H38**: Transformer, 4-40 PSI, head.
- **H39**: Transformer, 4-40 PSI, head.
- **H40**: Transformer, 4-40 PSI, head.
- **H41**: Transformer, 4-40 PSI, head.
- **H42**: Transformer, 4-40 PSI, head.
- **H43**: Transformer, 4-40 PSI, head.
- **H44**: Transformer, 4-40 PSI, head.
- **H45**: Transformer, 4-40 PSI, head.
- **H46**: Transformer, 4-40 PSI, head.
- **H47**: Transformer, 4-40 PSI, head.
- **H48**: Transformer, 4-40 PSI, head.
- **H49**: Transformer, 4-40 PSI, head.
- **H50**: Transformer, 4-40 PSI, head.
- **H51**: Transformer, 4-40 PSI, head.
- **H52**: Transformer, 4-40 PSI, head.
- **H53**: Transformer, 4-40 PSI, head.
- **H54**: Transformer, 4-40 PSI, head.
- **H55**: Transformer, 4-40 PSI, head.
- **H56**: Transformer, 4-40 PSI, head.
- **H57**: Transformer, 4-40 PSI, head.
- **H58**: Transformer, 4-40 PSI, head.
- **H59**: Transformer, 4-40 PSI, head.
- **H60**: Transformer, 4-40 PSI, head.
- **H61**: Transformer, 4-40 PSI, head.
- **H62**: Transformer, 4-40 PSI, head.
- **H63**: Transformer, 4-40 PSI, head.
- **H64**: Transformer, 4-40 PSI, head.
- **H65**: Transformer, 4-40 PSI, head.
- **H66**: Transformer, 4-40 PSI, head.
- **H67**: Transformer, 4-40 PSI, head.
- **H68**: Transformer, 4-40 PSI, head.
- **H69**: Transformer, 4-40 PSI, head.
- **H70**: Transformer, 4-40 PSI, head.
- **H71**: Transformer, 4-40 PSI, head.
- **H72**: Transformer, 4-40 PSI, head.
- **H73**: Transformer, 4-40 PSI, head.
- **H74**: Transformer, 4-40 PSI, head.
- **H75**: Transformer, 4-40 PSI, head.
- **H76**: Transformer, 4-40 PSI, head.
- **H77**: Transformer, 4-40 PSI, head.
- **H78**: Transformer, 4-40 PSI, head.
- **H79**: Transformer, 4-40 PSI, head.
- **H80**: Transformer, 4-40 PSI, head.
- **H81**: Transformer, 4-40 PSI, head.
- **H82**: Transformer, 4-40 PSI, head.
- **H83**: Transformer, 4-40 PSI, head.
- **H84**: Transformer, 4-40 PSI, head.
- **H85**: Transformer, 4-40 PSI, head.
- **H86**: Transformer, 4-40 PSI, head.
- **H87**: Transformer, 4-40 PSI, head.
- **H88**: Transformer, 4-40 PSI, head.
CIRCUIT CARD ASSEMBLY

POWER PACK ASSEMBLY


DESIGNATION | TELETYPE PART NO. | TOTAL QTY. | DESCRIPTION | FUNCTION
---|---|---|---|---
R1 | 183083 | 1 | RESISTOR, 22 OHM | SURGE LIMITER
R2 | 183082 | 1 | RESISTOR, 12,000 OHM | ARC SUPPRESSOR
C1 | 183078 | 1 | CAPACITOR, DUAL SELECTION | POWER SUPPLY FILTER
C2 | 183084 | 1 | CAPACITOR, 22 MFD, 200 VDC | SURGE SOURCE
CRI | 181654 | 4 | DIODE, 400 V | POWER SUPPLY RECTIFIER
CR2 | " | " | " | "
CR3 | " | " | " | "
CR4 | " | " | " | "
F1 | 143630 | 1 | FUSE, 3/4 A, F.B. | POWER SUPPLY PROTECTION SEE NOTE 2
FC | 171595 | 2 | FUSE CLIP | "
T1 | 183085 | 2 | TERMINAL WITH WIRE LEAD | "
T2 | " | " | " | "
J1 | 182640 | 1 | CONTACT BLOCK, 15 POINT | "
E | 182641 | 8 | TERMINALS MALE RC. | "
EC | 183157 | 1 | ETCHED CIRCUIT BOARD | NOTE 3
I10743 | 2 | LOCK WASHER | "
R3 | 18198 | 2 | NUT | "

THESE POWER PACKS CONSIST OF A 150 VOLT POWER SUPPLY OPERATING DIRECTLY FROM THE 117 VAC LINE. A WAVE SHAPING NETWORK AND AN ARC SUPPRESSOR IT IS DESIGNED TO OPERATE WITH AN INDUCTIVE LOAD OF APPROXIMATELY 100 OHMS BETWEEN TERMINALS 6 AND 12. WITH A 850 OHM 40 WATT RESISTOR CONNECTED BETWEEN 11 AND 12.

AN ON-OFF CONTROL SWITCH IS CONNECTED BETWEEN TERMINALS 9 AND 3. THE UNIT IS DESIGNED TO DRIVE THE READER MAGNET IN THE MODEL 32 AND 33 ASR.

SCALE: 1/4
STOCK SPECIFICATION

DRAWN BY: PD FILE NO: DATE
ENGINEER: CHECKER: APPROVED:
183087

NOTE 3: THIS OPTIONS IS NOT FOR PRINTED CIRCUIT BOARD.