

WIDE AREA TELECOMMUNICATIONS SERVICE
MESSAGE REGISTERS AND TIME METERS
CONNECTIONS

1. GENERAL

1.01 This Section is issued to provide descriptive information concerning the installation of off hook time meters and peg count registers on inward and outward WATS lines.

1.02 This Section shows the circuit diagram and connections (Exhibit 1 and 2) for WATS meters (USOC code - MQW) and WATS registers (USOC code - W7G).

1.03 This Section outlines installation of message registers and time meters for termination in standard telephone instruments or in Centrex or PBX systems.

2. WATS REGISTER (PEG COUNT)

2.01 This arrangement consists of a register and associated equipment located at the customer premise and used to count calls attempted on a per line and/or per station basis for inward or outward WATS. The WATS line can terminate in a standard telephone set or in a Centrex or PBX system.

2.02 The provision of this arrangement is specified on the service order as USOC code "W7G".

2.03 The circuit drawing and wiring diagram is shown in Exhibit 1.

2.04 The equipment required for this arrangement is as follows:

(a) 18D KTU

(b) 14E Non-resettable Peg Count Register

(c) 15A Resettable Peg Count Register

(d) 105C Apparatus Box

(e) H909-639 Register Cabinet Desk Top.

3. WATS METER (OFF HOOK TIME)

3.01 This arrangement consists of a register and associated equipment located at the customer premise and used to record elapsed time (off hook) on a per line and/or per station basis for inward or outward WATS. The WATS line can terminate in a standard telephone set or in a Centrex or PBX system.

3.02 The provision of this arrangement is specified on the service order as USOC code "MQW".

3.03 The circuit drawing and wiring diagram is shown in Exhibit 2.

3.04 The equipment required for this arrangement is as follows:

(a) 18D KTU

(b) Cramer Timer #636Y - L100-AA-24VAC or equivalent

(c) 105 Apparatus Box

(d) 24 Volt AC Power Supply - Jefferson Transformer #231-101 or equivalent

(e) Custom made Register Cabinet for desk top

4. ORDERING INFORMATION

4.01 These items should be ordered on Form S-6265 thru Western Electric Company as follows:

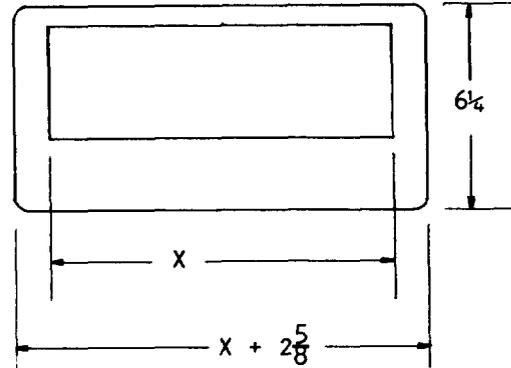
(Quantity) Timer, Cramer, #636Y-L100-AA-24VAC

(Quantity) Transformer, Jefferson, #231-101

(Quantity) Cabinet, Register, Custom Made, GB7021-X. Drill face plate for (quantity) timers

NOTE: This sketch is a guide in ordering custom cabinets. "X" would indicate the length in inches and must be specified when ordering.

(X=3" times (quantity) timers)



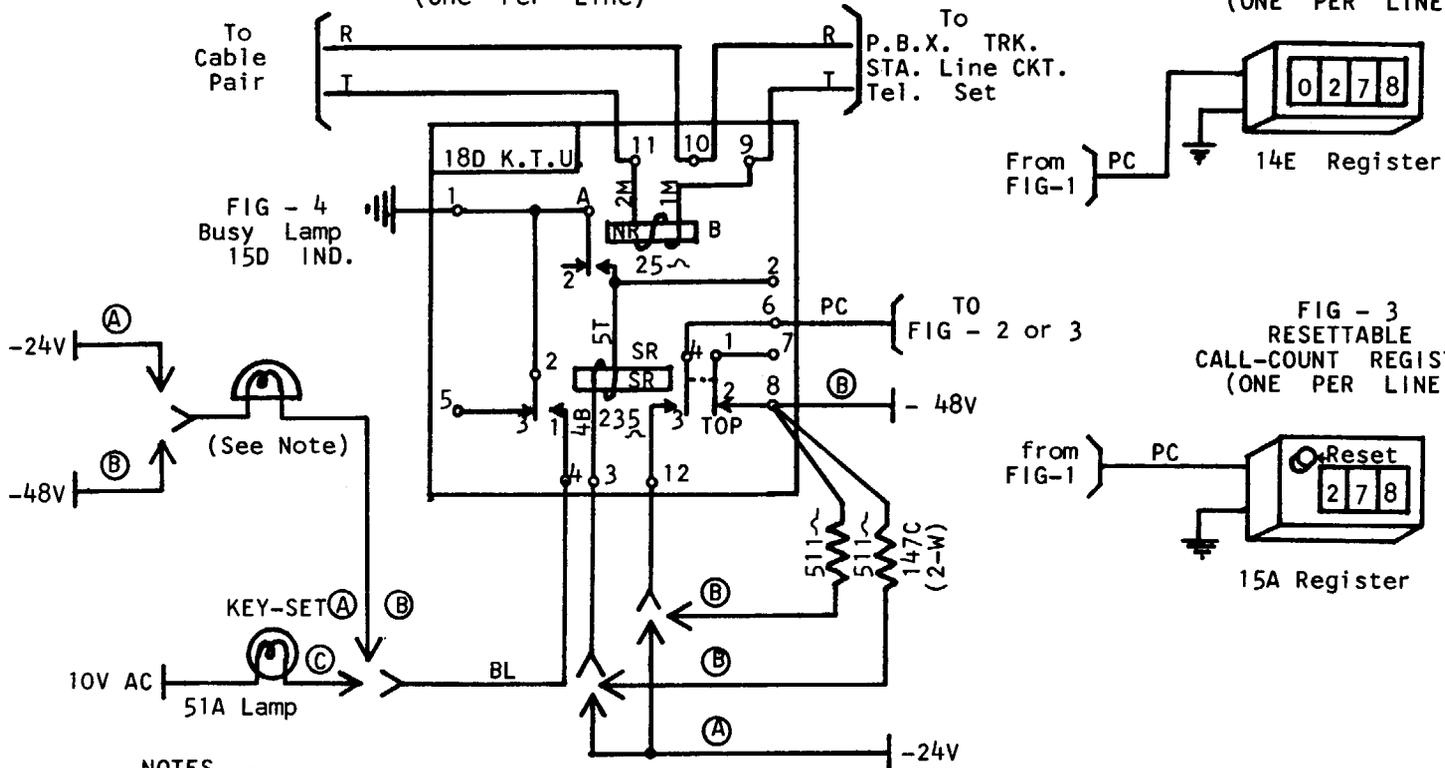
4.02 All other pieces of apparatus should be ordered through normal supply channels.

- WATS LINE -
CALL-COUNT REGISTER
WITH
"OPTIONAL" - BUSY LAMP

FIG - 1
Line Relay
(One Per Line)

FIG - 2
NON - RESETTABLE
CALL-COUNT REGISTER
(ONE PER LINE)

FIG - 3
RESETTABLE
CALL-COUNT REGISTER
(ONE PER LINE)



- NOTES -

- (A) - 24VDC
A1 Lamp = (IND.)
- (B) - 48V DC
2Y Lamp = (IND.)
- (C) - 10VAC
51A Lamp (Key Set)
J2 Lamp = (IND.)

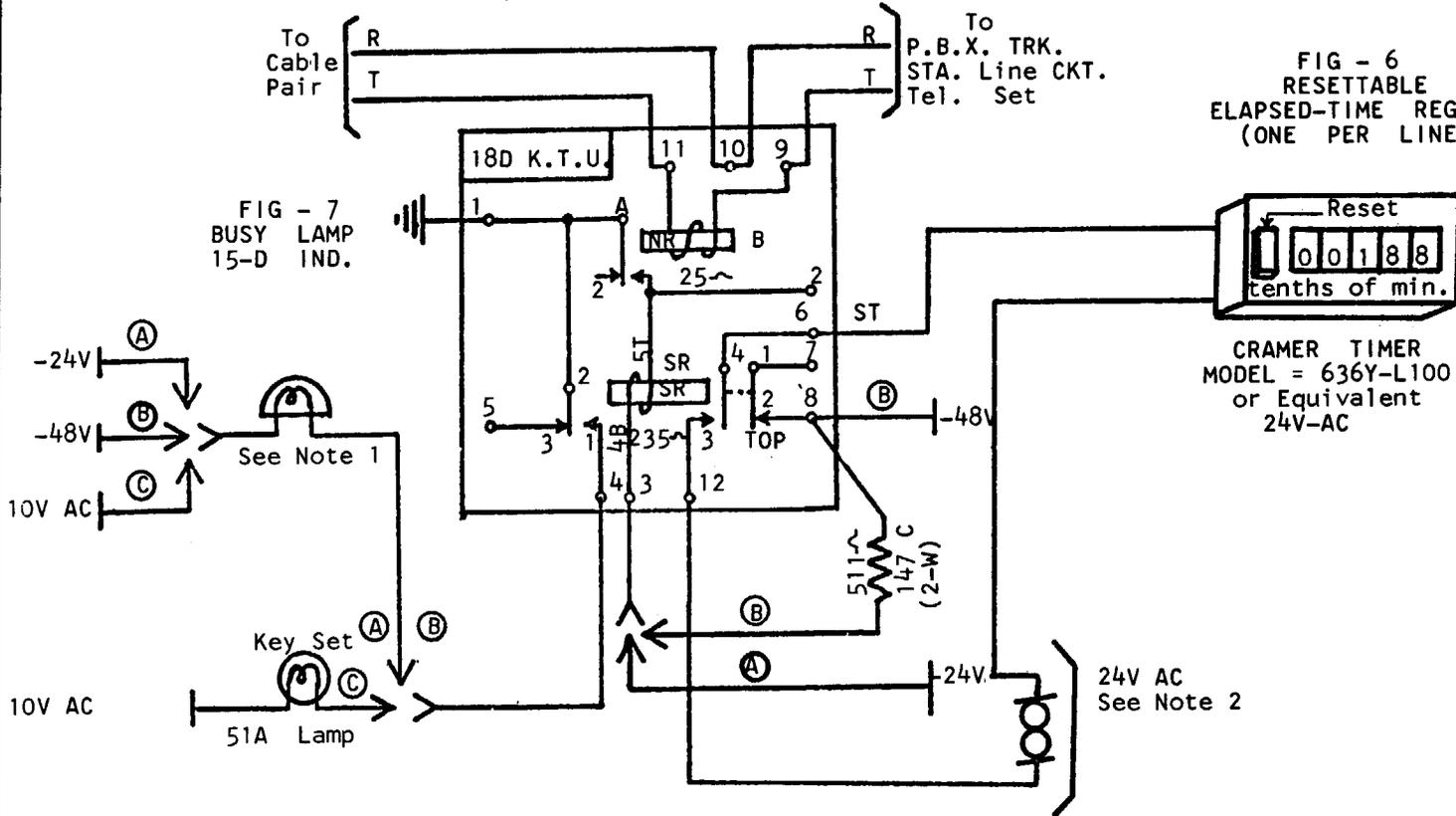
EXHIBIT 1

WATS LINE
ELAPSED-TIME REGISTER
WITH
"OPTIONAL" - BUSY LAMP

FIG - 5
LINE RELAY
(ONE PER LINE)

FIG - 6
RESETTABLE
ELAPSED-TIME REGISTER
(ONE PER LINE)

FIG - 7
BUSY LAMP
15-D IND.



- NOTES -

1 = POWER OPTIONS

(A) - 24V DC
A1 Lamp = (IND.)

(B) - 48V DC
2Y Lamp = (IND.)

(C) 10VAC
51A Lamp =(Key Set)
J2 Lamp =(IND.)

2 = 24V AC POWER SUPPLY = (TIMER)
(JEFFERSON TRNASFOMER #231-101 or EQUIVALENT)