KEP TOTALIZER #2 METER

DRAWN BY	
	05/25/00
BURKE, J.	

REVISIONS	
1	12/07/01
Wong, J	
2	03/06/03
Wong, J	
3	08/28/03
Koo, J & Lin, A	
Publik, John O	
5	11/14/05
Abdalla, A	
Revised for digital meter installation	
6	8/15/06
Abdalla, A	
Revised to add # 10 AWG ground wire for use with digital Vortex meter in future	

from KEP #1:
from terminal #14
from terminal #16

16 AWG, TWISTED, STRANDED, COPPER, BRAID SHIELDED (600V 200°C RATING) 2 Conductor Cable Only

PRESSURE SIGNAL

to KEP #3:
to terminal #11
to terminal #4

16 AWG, TWISTED, STRANDED, COPPER, BRAID SHIELDED (600V 200°C RATING) 2 Conductor Cable Only

NOTE: IF P-XMTR TO BE INSTALLED, REFER TO SPEC S-624 R6

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
+	P		−							+						NO	C	NC	NC	C	NO	L	N	Y	K	Z

#2 Vortex Meter TERMINAL BLOCK

NOT CONNECTED

- A + B

BLACK
WHITE
RED

GREEN

16 AWG, 4 Conductors (2-twisted shielded pairs) TWISTED, STRANDED, COPPER, BRAID SHIELDED (600V 200°C RATING)

10 AWG, SOLID, COPPER (FOR DIGITAL VERSION VORTEX METER)

GREEN 14 AWG, STRANDED, COPPER

#14 AWG, STRANDED, COPPER

17-2 BLACK
WHITE
WHITE
22-2 ORANGE
BLACK
WHITE

NEUTRAL

SENTRY 30E ISO RELAY

FORM C OUTPUT TO BMS (S618) TYPICAL

2
G.E. RELAY
RL4RA022TJ
W/ SUPPRESSOR
BSLR2K

22-2
17-2
A1 COIL A2
13 21 31 43
14 22 32 A2
43-2
31-2
44-2

15A FUSE

5A FUSE

WHITE
BLACK

Hot, Ground, & Neutral jumpers terminate at this terminal block; not at KEP Terminal block

To Terminal Block #1

120 V AC RATED LIGHTBULB INDICATOR LIGHTS

77-2 G WHITE
78-2 R

78-2
77-2 GRAY or BROWN
PURPLE or BLUE
43-2 RED (CLOSE)
31-2 BLACK (OPEN)
44-2 ORANGE (LIGHT)
WHITE (NEUTRAL)
GREEN (Ground)

BALL VALVE Actuator TERMINAL BOX (BALL VALVE #2 ON METER RUN #3)

14 AWG, Copper

COMPUTER GENERATED DRAWING NOT TO BE HAND REVISED

WIRING DIAGRAM FOR VORTEX METER WITH BALL VALVE, PRESSURE TRANSMITTER AND MODEM BOX (SEQ.)

CONSOLIDATED EDISON COMPANY OF N.Y. INC.
STEAM DISTRIBUTION ENGINEERING

DATE: 03/06/03
LAST REV.: 8-15-06

DWG. NO. S-624 R6 (KEP 2)