



NOTES

- (1) Each switch requires two ground rods spaced 6' apart and connected with 2/0 copper clad steel. 2/0 copper clad steel pole ground wire attaches at the top of the switch, runs down the pole, connects to the system neutral and to one ground rod at the base of the pole. The #4 copper clad steel pole ground wire attaches at the top of the switch, runs down the pole connects to system neutral, attaches to both the antenna bracket and controller cabinet and then attaches to the second ground rod at the base of the pole.
- (2) Pipe clamps shall be firmly attached to pole 24" interval minimum. Use 2" lag bolts on control cable, not to be hammered.
- (3) #4 CU solid 600V covered wire shall be treated as an energized bare wire.
- (4) Design is Raptor Safe.
- (5) Coax cable clamp spaced 24" apart.
- (6) Wood pole sizing: If average of adjacent spans is < 200' use 40' class 4. If > 200' use 40' class 2.
- (7) If Scada-Mate switch is mounted on steel poles secure control cable #4 ground and antenna cable by drilling pilot holes 24" apart and use #10 x 1 1/4".
- (8) For normally closed switch face sensors towards substation. For a normally open switch, make the bushing opposite the open/close indicator the "A" phase if possible.
- (9) An alternative jumper connection, as shown in DS-9-2.0, may also be used.

Material List			
Item	Quan.	Description	Stock #
A	1	Scada-Mate Switch	Variable
B	1	Scada-Mate Controller w/Radio	0000-001304
C	1	Wood Pole	DM-17-1.0
D	2	5/8" x 16" Machine Bolt	5306-148569
E	2	5/8" x 12" Machine Bolt	5306-148700
F	4	5/8" Double Coil Spring Washer	5310-163034
G	6	Deadend Clamp	5975-
H	4	2 1/4" Square Washer, for 5/8" Bolt	7000-133945
J	1	Preassembled Coax Cable (22')	0000-001333
K	18	1/2" x 2" Machine Bolt Assembly	5306-148437
L	35'	4/0 Softdrawn Covered CU Wire	6145-002447
M	30'	#4 CU Solid 600V Covered Wire	0000-001150
N	6	kV Lightning Arrester	-
P	6	4/0 Compression Terminal	5940-240418
Q	16	Line Taps	DS-18-99.0
R	6	18" Fiberglass Strain Insulator	5970-252754
S	1	Insulated Clevis	DS-18-18.0
T	1	#10 x 1" Self-Tapping Screw	0000-001332
U	1	2/0 Spool Line Tie	5975-263079
V	2	Grounding Assembly - #4 & 2/0 Copper Clad Steel	DS-18-20.0
W	1	Yagi Antenna	0000-001329
X	1	Standoff Assembly	5975-260471
Y	1	2" Pipe Strap	5975-258145
Z	6	#8-2/0 Trans Ground Lug	5935-234251
A1	2	1" Shackle Abloy Lock	5340-189843
A2	15	3/4" One-Hole Pipe Clamp	5975-273011
A3	25	1/4" x 2" Lag Screw	0000-001269
A4	2	3/4" x 16" Machine Bolt	5306-148692
A5	2	3/4" Double Spring Washer	5310-163026
A6	1	#10 Sol-#1 Stranded Connector Lug	5935-232990
A7	1	#2 Sol-350 kcm Connector Lug	5935-233741
A8	1	1/2" x 4" Lag Screw	5305-147794
A9	6	kV Suspension Polymer Insulator	9950-00
A10	14	Coax Cable Clamp	0000-001330
A11	1	2" x 8" EMT Thin Wall Pipe	0000-001339
A12	6	Arrester Bracket Caps	0000-005192
A13	2	2 1/4" Square Washer, for 3/4" Bolt	5310-153571
A14	6	Bushing Cap	5975-274779
A15	1	Crossarm Braceless	DS-18-7.0