



PHOTO CELL MOUNTED APPROX. 24" ABOVE GRADE ON BOTH PILLARS WIRED TO CONTROL BOX

TYPICAL AMP DRAW, WIRE SIZE & RESISTANCE

Operator	220VAC	400/402/422/750	Low Voltage DC	Low Voltage Wire Gauge
115VAC Operator	220VAC Operator	400/402/422/750 OPERATOR	1.5 amp each	20ga up to 400ft
400/402/422/750 OPERATOR	400/402/422/750 OPERATOR	3.0 amp per pair	4.5 winding	18ga up to 700ft
2.4 amp each	4.8 amp per pair	10 20	14ga up to 1100ft	16ga up to 1700ft
14ga up to 30ft	12ga up to 210ft	14ga up to 410ft	12ga up to 660ft	12ga up to 2800ft
10ga up to 540ft	10ga up to 1050ft	10ga up to 1680ft	10ga up to 4500ft	10ga up to 4500ft
8ga up to 870ft	8ga up to 1680ft	8ga up to 2570ft		

ALL CONDUCTORS MUST ENTER FROM UNDER SIDE OF CONTROL BOX

CONTROL BOX (12"x12" DEEP) FOR RADIO CONTROLS AND LOOP DETECTOR

120 VOLT RECEPTACLE

COAX CABLE FOR ANTENNA

ANTENNA CONDUIT

S.O.S.

BACKING PLATES FLUSH WITH PILLARS

120 VOLT

LOW VOLTAGE

IN GROUND LOOP DETECTOR WIRED TO CONTROL BOX

ROLLERS ON TRACK (2 PLACES)

4-WIRE

EXTEND CONCRETE PAD BY 12" ON 3 SIDES TO ACCOMMODATE OPERATOR AND GUIDE POST

PROVISION FOR ELEC. CONDUITS

GATE TRACK ON 12"x12"x12" DEEP STEEL REINFORCED CONCRETE PAD FLUSH W/SURFACE

CONDUCTOR(S) #18 LOW VOLTAGE WIRE (300 VOLT RATED) 2 - CAT 5-E UNDERGROUND RATED WIRED TO CONTROL BOX

CONTROLLER IN UNIT

BACKING PLATES FLUSH WITH PILLARS

TO OPERATOR

POWER SUPPLY (LINE VOLTAGE)

12" APART (MINIMUM)

COMMUNICATION LINE TO HOUSE

TO CONTROL BOX

HARBOUR DOOR SERVICES LTD.

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Hydraulic Sliding Gate with Telephone Entry