

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
SB THRU LN	6X50	3-6-3	848	2.99
SB THRU LN	6X50	3-6-3	846	2.95
SB RT TURN LN	6X45	3-6-3	766	2.69
NB THRU LN	6X50	3-6-3	856	3.18
NB RT TURN LN	6X45	3-6-3	780	3.02

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

ELECTRICAL QUANTITIES:

DESCRIPTION	UNIT	QUANTITY
DETECTOR LOOP REPLACEMENT	FOOT	850
LOCATING UNDER GROUND CABLE	FOOT	30

