

FUNCTION	APPLIES TO	POWER TRANSFORMER		RELAY SETTING	MINIMUM PICK-UP		CURRENT TRANSF. RATIOS		AUTO TRANSFORMER		REMARKS	
		K.V.A.	KV.		AMPS. THRU OPER. COIL FOR INTERNAL FAULT	RELAY COIL	LOW SIDE	HIGH SIDE	TURN RATIO C.T. SIDE TO RELAY SIDE	CONNECTED TO		
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	
TRANSFORMER FAULTS	STEP DOWN STATIONS											
	MORTON	4500	132/12	—	1.25	150	1200/5	100/5	174 to 182	100/5A.C.T.		
	LENNI	4500	132/12	—	1.0	150	1500/5	125/5	174 to 182	125/5A.C.T.		
	CHEYNEY	4500	132/12	—	1.25	150	1200/5	125/5	200 to 174	125/5A.C.T.		
	WESTCHESTER	4500	132/12	—	1.0	150	1500/5	125/5	174 to 182	125/5A.C.T.		
	ALLEN LANE	3000	44/11	5A-32A	1.28	154	1200/5	200/5	—	—	TRANSFORMER #1 TYPE IJD	
	ALLEN LANE	3000	44/11	5A-5A	2.0	160	800/5	200/5	—	—	TRANSFORMER #2 TYPE IJD	
											NOTES: 1) ALL RELAYS ARE GE.CO.'S TYPE "IJ-7-Y2" PERCENTAGE-DIFFERENTIAL RELAYS. 2) TIME CHARACTERISTICS OF TYPE "IJ-7-Y2" RELAYS: FOR TOTAL FAULT CURRENTS IN EXCESS OF 10 TIMES PICK-UP VALUE, THE RELAY OPERATING TIME IS APPROXIMATELY 0.1 SEC. 3) THRU FAULT CHARACTERISTICS OF TYPE "IJ-7-Y2" RELAYS: AN UNBALANCE OF 25% OF THE SMALLER CURRENT IS REQUIRED TO OPERATE THE RELAY. 4) EXCEPT IF NOTED OTHERWISE IN COL. ⑫ THERE ARE TWO CURRENT TRANSFORMERS OF THE RATIO GIVEN IN COLS. ⑧ AND ⑨ CONNECTED IN PARALLELL, ON THE HIGH SIDE AS WELL AS ON THE LOW SIDE OF THE POWER TRANSFORMER.	