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Ansi codes for protection relays pdf

Ansi code for protection. Ansi code for protection relay. Relay ansi code list.

7/24/2019 List of Ansi Code for Relays 1/5 Electrical relay Protection Codes and Acronyms 1 - Master Element 2 - Time Delay Starting or Closing Relay 3 - Checking or Interlocking Relay 4 - Master Contactor 5 - Stopping Deice ! - Starting Circ"it #reaker $ - Rate o% Change Relay & - Control 'o(er Disconnecting Deice) - Reersing Deice 1* - +nit Se,"ence S(itch 11 - M"lti-%"nction Deice 12 - erspee. Deice 13 - Synchrono"s-spee. Deice 14 - +n.erspee. Deice 15 - Spee. - or /re,"ency0 Matching Deice 1! - Data Comm"nications Deice 1$ - Sh"nting or Discharge S(itch 1& - ccelerating or Decelerating Deice 1) - Starting to R"nning Transition Contactor 2* - Electrically perate. ale 21 - Distance Relay 22 - E,"alier Circ"it #reaker 23 - Temperat"re Control Deice 24 - olts 'er ert Relay //en.wikipedia.org/wiki/Protective_relay#Distance_relay 7/24/2019 List of Ansi Code for Relays 2/5 25 - Synchroniing or Synchronism-Check Deice 2! - pparat"s Thermal Deice 27 - Undervoltage Relay 2& - /lame .etector 2) - Isolating Contactor or S(itch 3* - nn"nciatorRelay 31 - Separate Ecitation Deice 32 - Directional 'o(er Relay 33 - 'osition S(itch 34 - Master Se,"ence Deice 35 - #r"sh-perating or Slip-Ring Short-Circ"iting Deice 3! - 'olarity or 'olariing oltage Deices 3$ - +n.erc"rrent or +n.erpo(er Relay 3& - #earing 'rotectie Deice 3) - Mechanical Con.ition Monitor 4* - /iel. 6oer7"n.er ecitation8 Relay 41 - /iel. Circ"it #reaker 42 - R"nning Circ"it #reaker 43 - Man"al Trans%er or Selector Deice 44 - +nit Se,"ence Starting Relay 45 - 9normal tmospheric Con.ition Monitor 4! - Reerse-phase or 'hase-#alance C"rrent Relay 4$ - 'hase-Se,"ence or 'hase-#alance oltage Relay 4& - Incomplete Se,"ence Relay 49 - Machine or Transformer, Thermal Relay 5* - Instantaneo"s erc"rrent Relay //en.wikipedia.org/wiki/Annunciator //en.wikipedia.org/wiki/Annunciator 7/24/2019 List of Ansi Code for Relays 3/5 51 - C Inerse Time erc"rrent Relay 52 - C Circ"it #reaker 53 - Eciter or DC :enerator Relay 54 - T"rning :ear Engaging Deice 55 - 'o(er /actor Relay 5! - /iel. pplication Relay 5$ - Short-Circ"iting or :ro"n.ing Deice 5& - Recti%ication /ail"re Relay 5) - eroltage Relay !* - oltage or C"rrent #alance Relay !1 - Density S(itch or Sensor !2 - Time-Delay Stopping or pening Relay !3 - 'ress"re S(itch !4 - :ro"n. Detector Relay !5 - :oernor !! - ;otching or eel S(itch $2 - DC Circ"it #reaker $3 - >oa.-Resistor Contactor $4 - larm Relay $5 - 'osition Changing Mechanism $! - DC erc"rrent Relay $$ - Telemetering Deice $& - 'hase-ngle Meas"ring Relay $) - C Reclosing Relay &* - /lo(S(itch &1 - /re,"ency Relay &2 - DC Reclosing Relay &3 - "tomatic Selectie Control or Trans%er Relay //en.wikipedia.org/wiki/Circuit_Breaker 7/24/2019 List of Ansi Code for Relays 4/5 &4 - perating Mechanism &5 - Comm"nications0Carrier or 'ilot-?ire Relay &! - >ocko"t Relay &$ - Di%%erential 'rotectie Relay && - "iliary Motor or Motor :enerator &) - >ine S(itch)* - Reg"lating Deice)1 - oltage Directional Relay)2 - oltage an. 'o(er Directional Relay)3 - /iel. Changing Contactor)4 - Tripping or Trip-/ree Relay)5 -For specific applications where other numbers are not suitable)! -For specific applications where other numbers are not suitable)$ -For specific applications where other numbers are not suitable)& -For specific applications where other numbers are not suitable)) -For specific applications where other numbers are not suitable ST - istorian SER - Se,"ence o% Eents Recor.er >:C - Scheme >ogic TCM - Trip Circ"it Monitor MET - S"9station Metering ST/ - S(itch n To /a"lt 'DC - 'hasor Data Concentrator MI - "man Machine Inter%ace 'M+ - 'hasor Meas"rement +nit I@ - igh Impe.ance /a"lt Detector 'AM - 'o(er A"ality Monitor E; - Eninormental Data RI - Remote Inp"t7"tp"t Deice D/R - Digital /a"lt Recor.er RT+ - Remote Terminal +nit7Data Concentrator DDR - Dynamic Dist"r9ance Recor.e C>B - Clock or Timing So"rce /D - rc /lash Detector 7/24/2019 List of Ansi Code for Relays 5/5 "edit# $!ffi%es and &refi%es s"%%i letter or n"m9er may 9e "se.

Table2 ANSI Code and Relay Function

ANSI Number	DESPRIPTION
2	Time-delay
21	Distance
25	Synchronism-check
27	Undervoltage
30	Annunciator
32	Directional power
37	Undercurrent or underpower
38	Bearing
40	Field
46	Reverse-phase
47	Phase-sequence voltage
49	Thermal
50	Instantaneous overcurrent
51	AC time overcurrent
59	Overvoltage
60	Voltage balance
63	Pressure
64	Apparatus ground
67	AC directional overcurrent
68	Blocking
69	Permissive
74	Alarm
76	DC overcurrent
78	Out-of-step
79	AC reclosing
81	Frequency
85	Carrier or pilot-wire
86	Lock out
87	Differential
94	Tripping

(ith the .eice n"m9er %or eample0 s"%%i ; is "se. i% the .eic is connecte. to a ;e"tral (ire 6eample 5); in a relay is "se. %or protection against ;e"tr Displacement8 an. s"%%ies 0F0@ are "se. %or a"iliary .eicesG Similarly0 the =:= s"%%i .enotes =gro"n.=0 hence a =51:= is a time oerc"rrent gro"n. relayG S"%%i n"m9ers are "se. to .isting"ism"ltiple =same= .eices in the same e,"ipment s"ch as 51-10 51-2G H1 Deice n"m9ers may 9e com9ine. i% the .eice proi.es m"ltiple %"nctions0 s"ch as th instantaneo"s7time-.elay C oer c"rrent relay .enote. as 5*751H1 /or .eice 1!0 the s"%%i letters %"rther .e%ine the .eice the %irst s"%%i letter is JSJ %or Serial or JEJ %oEthernetG The s"9se,"ent letters are JCJ Sec"rity 'rocessing /"nction KiGeG ';0 EncryptionL0 J/J /ire(a or message /ilter0 JMJ ;et(ork Manage. /"nction0 JRJ Ro"ter0 JSJ S(itch an. electric_forklift_checklist.pdf JTJ Telephone Componen Th"s a manage. Ethernet s(itch (o"l. 9e 1!ESMG