ASK-441H Intelligent Voltage Selection Relay

POWER SYSTEM PROTECTION EQUIPMENT



Voltage Selection Relay Overview The ASK-441H Digital PT Control and Switching Unit, as a subsystem of the substation integrated automation system, primarily provides automatic and remote switching functions for two sets of busbar PTs. Product Functions (ANSI)： 27/59/60+85/85/27/59N/60 Communication Mode:Optional: RS-485, CAN bus, Ethernet, IEC 60870-5-103 (IEC-103)，IEC 61850

KEY FEATURES

- PT automatic switching function
- PT remote control switching function
- Overvoltage alarm
- Undervoltage alarm
- Zero-sequence overvoltage alarm
- Busbar PT breakage detection
- Insulation monitoring function

FIXED VALUES OF SECONDARY VOLTAGE SELECTION DEVICE

No.	Display Name	Range	Step	Remarks
1	**Bus I Overvoltage Protection Setting**			
1.1	Bus I Overvoltage Protection	1/0	–	Overvoltage protection enable(1) / disable(0)
1.2	Overvoltage Time Delay	0-120.00s	0.01s	–
1.3	Overvoltage Setting Value	5-120V	0.01V	–
2	**Bus I Undervoltage Protection Setting**			
2.1	Bus I Undervoltage Protection	1/0	–	Undervoltage protection enable(1) / disable(0)
2.2	Undervoltage Time Delay	0-120.00s	0.01s	–
2.3	Undervoltage Setting Value	5-100V	0.01V	–
3	**Bus I Zero-sequence Overvoltage Setting**			
3.1	Bus I Zero-sequence Voltage Protection	1/0	–	Zero-sequence overvoltage protection enable(1) / disable(0)
3.2	Zero-sequence Voltage Time Delay	0-120.00s	0.01s	–
3.3	Zero-sequence Voltage Setting Value	5-120V	0.01V	–
4	**Bus II Overvoltage Protection Setting**			
4.1	Bus II Overvoltage Protection	1/0	–	Overvoltage protection enable(1) / disable(0)
4.2	Overvoltage Time Delay	0-120.00s	0.01s	–
4.3	Overvoltage Setting Value	5-120V	0.01V	–
5	**Bus II Undervoltage Protection Setting**			
5.1	Bus II Undervoltage Protection	1/0	–	Undervoltage protection enable(1) / disable(0)
5.2	Undervoltage Time Delay	0-120.00s	0.01s	–
5.3	Undervoltage Setting Value	5-100V	0.01V	–
6	**Bus II Zero-sequence Overvoltage Setting**			
6.1	Bus II Zero-sequence Voltage Protection	1/0	–	Zero-sequence overvoltage protection enable(1) / disable(0)
6.2	Zero-sequence Voltage Time Delay	0-120.00s	0.01s	–
6.3	Zero-sequence Voltage Setting Value	5-120V	0.01V	–

No.	Display Name	Range	Step	Remarks
7	**PT Switching Setting**			
7.1	PT Automatic Switching	1/0	–	PT automatic switching permit(1) / inhibit(0)
7.2	PT Remote Switching	1/0	–	PT remote switching permit(1) / inhibit(0)
7.3	PT Manual Switching	1/0	–	PT manual switching permit(1) / inhibit(0)
7.4	PT Switching with Bus Coupler Judgement	1/0	–	Judge bus coupler position(1) / not judge(0)
7.5	PT Switching without Bus Voltage Judgement	1/0	–	Not judge bus voltage(1) / judge bus voltage(0)
7.6	PT Switching without Position Judgement	1/0	–	Not judge position(1) / judge position(0)
7.7	Switching Time Delay	0-120.00s	0.01s	–
7.8	Exit Time Delay	0-120.00s	0.01s	–
7.9	Busbar Voltage Threshold	5-120V	0.01V	–
8	**General Setting**			
8.1	Bus I PT Fuse Failure Monitoring	1/0	–	Bus I PT broken line monitoring enable(1) / disable(0)
8.2	Bus II PT Fuse Failure Monitoring	1/0	–	Bus II PT broken line monitoring enable(1) / disable(0)
8.3	Bus I Insulation Monitoring	1/0	–	Bus I insulation monitoring enable(1) / disable(0)
8.4	Bus II Insulation Monitoring	1/0	–	Bus II insulation monitoring enable(1) / disable(0)
8.5	B17 as Maintenance Plate	1/0	–	B17 maintenance plate enable(1) / disable(0)
8.6	Negative Sequence Voltage	5-120V	0.01V	–
8.7	Mutation Starting	–	–	–

ORDERING INFORMATION

MOQ	LEAD TIME	TRADE TERMS	PAYMENT	WARRANTY
1 unit	7-15 working days	EXW / FOB / CIF / DDU	T/T, L/C, WU, PayPal	12 months