

INPUT FUNCTIONS		LOGIC BLOCKS		ANALOG FUNCTIONS	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SERVICE DESCRIPTOR (FOR BINARY INPUTS DESCRIPTOR CORRESPONDS WITH HIGH STATE)		INVERTER GATE OP = 1 WHEN IP = 0		ANALOG SIGNAL WITH RANGE AND UNIT
	TAGNUMBER OF INPUT FROM DCS		OR GATE OP = 1 IF IP1 OR IP2 = 1		HIGH TRESHOLD OP = 1 ONLY WHEN IP < SETTING
	TAGNUMBER OF INPUT FROM AUXILIARY ROOM MOUNTED INSTRUMENT		AND GATE OP = 1 IF IP1 AND IP2 = 1		LOW TRESHOLD OP = 1 ONLY WHEN IP > SETTING
	TAGNUMBER OF INPUT FROM LOCAL PANEL		NOR GATE OP = 1 IF IP1 = IP2 = 0		SQUARE ROOT EXTRACTION OP = $\sqrt{\text{MAX}(0, \text{IP})}$
	TAGNUMBER OF INPUT FROM OPERATOR CONSOLE MOUNTED INSTRUMENT		NAND GATE OP = 1 IF IP1 + IP2 < 2		GENERAL CALCULATION
	TAGNUMBER OF FIELD INPUT		MAJORITY VOTING GATE (N-M+1 OUT OF N VOTING) OP = 1 IF IP1 + IP2 + IP3 > M		FIRST ORDER LOW PASS FILTER WITH UNITY GAIN AND TIME CONSTANT T
	INPUT THROUGH SERIAL LINK (GENERALLY MODBUS PROTOCOL)		XOR GATE OP = 1 IF IP1 = 1 AND IP2 = 0 OR IP1 = 0 AND IP2 = 1		VELOCITY LIMIT OP RATE OF CHANGE LIMITED TO K%/MIN.
OUTPUT FUNCTIONS			XNOR GATE OP = 1 IF IP1 = IP2		SIGNAL SELECTOR IF S = 1 THEN OP = IP1 IF S = 0 THEN OP = IP2
SYMBOL	DESCRIPTION		DELAY ON FUNCTION OP = 1 AFTER TIME PERIOD t1 ONLY IF IP REMAINS 1		MIDPOINT SELECTION OP = MEDIAN OF IP1, IP2, IP3 R = 0 IF ANY INPUT DEVIATES FROM OP BY MORE THAN K%
	SERVICE DESCRIPTOR (FOR BINARY OUTPUTS DESCRIPTOR CORRESPONDS WITH HIGH STATE)		DELAY OFF FUNCTION OP = 1 EVEN IF IP = 0 FOR A TIME PERIOD t2		DENSITY COMPENSATION OF FLOW METER IPF = FLOW IPP = PRESSURE IPT = TEMPERATURE IPM = MOLECULAR WEIGHT OR DENSITY
	TAGNUMBER OF OUTPUT FROM DCS		PULSE ON FUNCTION SINGLE SHOT OP = 1 IS ONLY PRESENT FOR TIME PERIOD t WHEN IP CHANGES TO 1 INDEPENDENT OF THE DURATION OF IP = 1		INDICATOR WITH HIGH AND LOW ALARM
	TAGNUMBER OF OUTPUT FROM AUXILIARY ROOM MOUNTED INSTRUMENT		PULSE OFF FUNCTION SINGLE SHOT OP = 0 IS ONLY PRESENT FOR TIME PERIOD t WHEN IP CHANGES TO 0 INDEPENDENT OF THE DURATION OF IP = 0		OUTPUT SELECTOR IF S = 1 THEN OUTPUT OP1 IF S = 0 THEN OUTPUT OP2
	TAGNUMBER OF OUTPUT FROM LOCAL PANEL		FLASHER OUTPUT FLASHES ON AND OFF WITH t SECOND INTERVALS WHEN IP = 1		
	TAGNUMBER OF OUTPUT FROM OPERATOR CONSOLE MOUNTED INSTRUMENT				
	TAGNUMBER OF FIELD OUTPUT				
	OUTPUT THROUGH SERIAL LINK (GENERALLY MODBUS PROTOCOL)				
MISCELLANEOUS					
SYMBOL	DESCRIPTION				
	ANALOG SIGNAL LINE				
	CROSSING BINARY SIGNAL LINES				
	CONNECTED BINARY SIGNAL LINES				
	STATUS SIGNAL TO DCS THROUGH SERIAL LINK (GENERALLY MODBUS PROTOCOL)				
	REFERENCE 1 FROM PAGE 011 TO PAGE 012				
	INPUT ARROWS				
		Zákazník/Client: INNOGY GAS STORAGE s.r.o.	Akce/ Project: STAVBA Č. 2191-VÝMĚNA SUŠÍCÍCH KOLON A REGENERÁTORŮ TEG PZP ŠTRAMBERK	Počet stran/Of	Strana/Page
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