



Multifunctional Sensor HDL-MSP07M.4C

Functions



- •PIR motion sensor
- •LUX sensor
- •Temperature sensor
- •2 Dry contacts
- •2 external condition inputs
- Constant LUX control
- •Security alarm logic (works with Security module)

•24 configurable logics

Sensor Setting

■ 42-2\7in1 sensor	
Sensor setting Logic Security setup	Sensor status
LED indicators setting	Updata status automatically
PIR LED ON (Red) Working LED ON(Green)	Current temperature: 24C
Sensor enable	PIR: No-movement
✓ Temperature(UV No.255)	Brightness: 315Lux
Brightness(UV No.254) PIR(UV No.253)	Dry contact 1: OFF
Dry Contact 1(UV No.251) Sensor enable/disable	Dry contact 2: OFF
V Dry Contact 2(UV No.250) V UV Switch 1	Can check sens or sta tus
VV Switch 2	
Logic Status as Condition	Sensor broadcast enable
Sensor sensitivity Sensitivity adjust	
Temperature compensation(C)	
PIR sensitivity:	Simulate sensor value
Constant lux function	Now in normal state Can simulate
Enable Constant lux(0-5000): 500 Control cycle(0.15-55): 2.0	Temperature sensor(C)
kp(scaling param): 0.01 V Used for adjustment error rapidly	
Ki(integral param): Used for adjustment steady-state time	Brightness sensor(Lux)
Low limit:	۰ ۵
	PIR sensor
Constant setting	No movement
	Test Exit test
Save & Close	
Current device: 42-2\7in1 sensor	

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Logic setting in sensor

42-2	7in1 sensor		_		_	and another that an analysis in cash has the	
Sensor s	setting Logi	c Securi	ty setup				Sensor status
	er on delay(0				- Current log	ic infomation	Updata status automatically
Powe	er on delay(U	-1205):	0				Current temperature: 24C
Logic	Remark	Enable	Power off	_		▼ Temperature 20 ▼ To 26 ▼	PIR: No-movement
No.		I an and that	recovery				Drichterer 2001 m
1	7	Invalid	No action			✓ Brightness 800 → To 1000 →	Brightness: 322Lux
2		Invalid	No action		Or		Dry contact 1: OFF
3		Invalid	No action	_	0	PIR Senser Movement	Dry contact 2: OFF
4	Ac OFF	Valid	No action	_			UV Switch:210 OFF
5		Invalid	No action	_		Dry contact 1 Disconnect -	UV Switch:202 OFF
6		Invalid	No action	_			
7	Sensoi		No action	_		Disconnect	Sensor broadcast enable
				_			
	numbe		No action	Ξ		UV switch(201-248) Switch ID: 210	
10		Invalid	No action	_	And	Remark:	Simulate sensor value
11		Invalid	No action	_		Logic input condition	Now in normal state
12		Invalid	No action	_			Now in formal state
13		Invalid	No action	_		UV switch(201-248) Switch ID: 202	Temperature sensor(C)
14		Invalid	No action	_		Remark:	< > 0
15		Invalid	No action	_			Brightness sensor(Lux)
16		Invalid	No action	_		OFF Auto off(1-3600s)	
17		Invalid	No action	_			
18		Invalid	No action	_		Logic Logic num: 1 V Status: False V	PIR sensor
19		Invalid	No action	_ 7	True delay	0 : 2 (M:S) False delay: 0 : 5 (M:S)	No movement
20		Invalid	No action	_	· · · ·		Logic true/false output:
21		Invalid	No action	_	True	targets configuration False targets configuration	When logic is true, can trigger true o
22		Invalid	Ne action	\mathcal{I}			when logic is true, can trigger true o
					¢	Save & Close	When logic is false, can trigger false
Cur	rent device:		42-2\7in1 se	ensor			



Security setup

🖳 42-2	\7in1 sensor							X		
Sensor setting Logic Security setup Sensor status										
Index	Sensor	Enable	Name	Subnet ID	Device ID	Area No.	Updata status automatically			
1	Dry contact 1	V		42	11	1	Current temperature: 24C			
2	Dry contact 2			42	11	1	PIR: No-movement			
3	IR sensor			42	11	1	Brightness: 322Lux			
							Dry contact 1: OFF			
	If dry c	ontact	or IR sensor used fo	or securit	tv.		Dry contact 2: OFF			
	-						(B)			
			ple the security func	tion, and	1 1111					
	in ID/a	rea foi	r security module							
							Sensor broadcast enable			
							Simulate sensor value			
							Now in normal state			
							Temperature sensor(C)			
							۰ ا			
							Brightness sensor(Lux)			
							۰ ۲			
							PIR sensor			
				No movement						
				Test Exit test						
					🔚 Sav	e & Close				



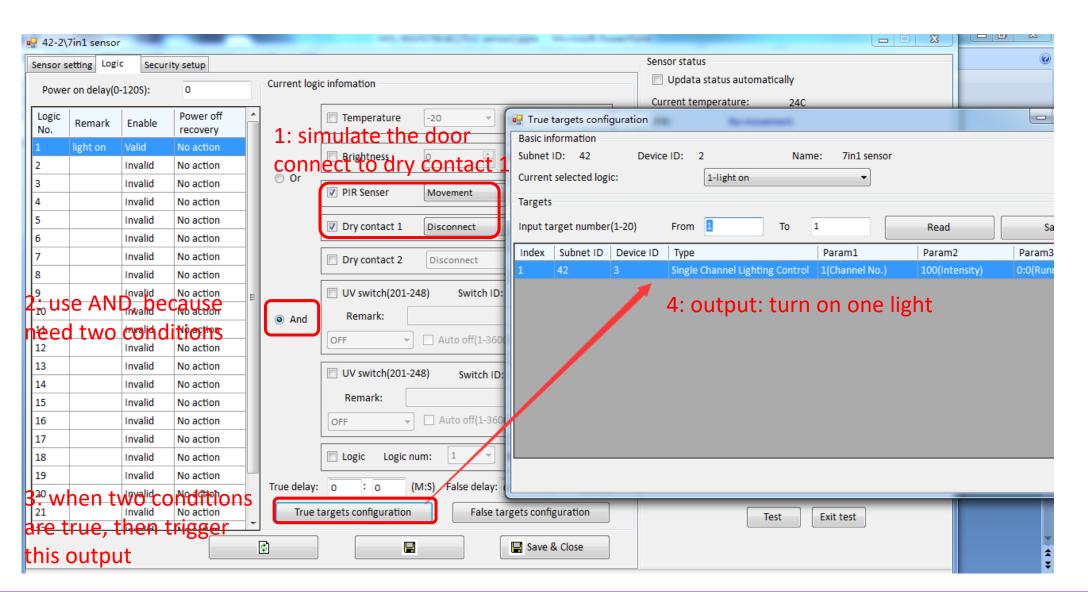
Application

Requirements:

- 1. When people open the door and come into the meeting room, turn on the lights automatically
- 2. 1 minute after people come into the room, turn on the AC and set the temperature as 25°C
- 3. 1 minute after people left the room, turn off the lights and set temperature as 27 °C
- 4. 3 minutes after people left the room, turn off the AC automatically

1. When people open the door and come into the meeting room, turn on the lights automatically

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2. 1 minute after people come into the room, turn on the AC and set the temperature as 25°C. (logic number 2)

🖷 42-2\7in1 sen	nsor	_			and the second house have		
Sensor setting	Logic Securi	ty setup			🖳 True targets configuration		
Power on dela	av(0_1205).	0	- Current log	ic infomation	Basic information		
Fower on dela	ay(0-1203).				Subnet ID: 42 Device ID): 2 Name: 7in1 sens	or
Logic Remar	rk Enable	Power off		Temperature 20	Current selected logic:	2-ac 25c 🔹	
No. No. 1 light on	n Valid	recovery No action	1: sir	hulate the door	Targets		
2 ac 25c	Valid 🔻	No action	conn	ect to dry contact			
3	Invalid	No action	© Or		Input target number(1-20) Fr	rom 11 To 11	Read Save
3	Invalid	No action		PIR Senser Movement	Index Subnet ID Device ID	Type Param1	Param2 Para
5	Invalid	No action			1 42 15	Universal Switch 10(Switch mmand to IR EM mod	No.) ON(Switch Status) N/A
6	Invalid	No action		Dry contact 1 Disconnect	4: send co	mmand to IR EIVI mod	luie, let the IR EIVI
7	Invalid	No action		Dry contact 2 Disconnect	module se	end out IR codes, make	e AC 25c.
8	Invalid	No action		Div contact 2 Disconnect		🖷 42-15\IR emitter	
2: use A	ND ^{vali} be			UV switch(201-248) Switch I		IR Codes Current detection	
	Invalid	No action		Remark:		Hint:Can Multiselect and use DEL to delete the	infrared code
need tw	vo cond	itions	And			Enable IR emitter	
12	Invalid	No action		ON v Auto off(1-3		Current Selected key: 1 Free space:	81.30% Read
13	Invalid	No action		UV switch(201-248) Switch			
14	Invalid	No action		UV switch(201-248) Switch		Input Key Number(1-249): From 1	To 15 Sure
15	Invalid	No action		Remark:		Key Name	Validity
불: delay	Invalid	No action	uhon t	OFF condition Auto off(1-3		1 qunda-c-h-23	Valid
3: delay				wo ^c conditions ^{4uto} (ff(1-3		2 qunda-off	Valid
are true	e, then i	trigger thi	s outp	Ut Logic Logic num: 1	Status: False 💌 [3 qunda-c-h-24 4 qunda-c-h-25	Valid Valid
19	Invalid	No action			(14.6)	5 Qunda-c-m-20	Valid
20	Invalid	No action	True delay	: 1 : 0 (M:S) False delay	r: o : o (M:S)	6 Qunda-c-m-21 42-15 is I	R EM module, the Valid
21	Invalid	No action	True	targets configuration False	targets configuration	7 Qunda-c-m-22 IR codes (
22	Involid	No action				8 Qunda-c-m-23 so need need	ed to send UV Valid
		[¢		🔛 Save & Close	9 Qunda-c-m-24 switch_com	mand 10 ON to Valid
						10 Qunda-c-m-25 TR EM modu	le Valid
Current dev	ice:	42-2\7in1 sensor			I	11 Qunda-c-m-26	Valid

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3. 1 minute after people left the room, turn off the lights and set temperature as HDL[®] °C. (logic number 3)

🖶 42-2	7in1 sensor	-	-		_	REA IN MUCH AND		True targets configurati	ion					
Sensor s	setting Logi	c Secur	ity setup					asic information						
Power on delay(0-120S): 0 Current logic infomation								ibnet ID: 42	Device ID: 2		Name: 7in1	sensor		
Logic No.	Remark	Enable	Power off recovery	•		Temperature -20 -20		irrent selected logic:	3-ac 2	27c		•		
1	light on	Valid	No action					0						
2	ac 25c	Valid	No action			moverrient 🖭 🗦	Inp	put target number(1-20)) From 1	1	o 1		Read	
3	ac 27c	Valid	No action		Or	PIR Senser No Movement		dex Subnet Device	Туре		Param1	Param2	Param	2
4		Invalid	No action			PIR Senser No Movement		ID ID	туре		Faranii	Faraniz	Faran	15
5		Invalid	No action			Dry contact 1 Disconnect	1	42 15	Universal Switch		12(Switch No.)	ON(Switch S	Stat N/A	
6		Invalid	No action			Disconnect		7 3. send o	ommand t	O IR F	M modu	le let t	he IR	
7		Invalid	No action			Disconnect								
8		Invalid	No action					EM modu	ule send oເ	ut IR c	odes, ma	ake AC	🖳 42-15\IR er	
9		Invalid	No action	-		UV switch(201-248) Switch II	D						IR Codes Cur	rent detection
10		Invalid	No action			Remark:	/						Hint:Can M	Iultiselect and use DEL to c
11		Invalid	No action		And		AL						Enable I	IR emitter
12		Invalid	No action			ON Auto off(1-6							Current Sel	ected key: 1 Fre
13		Invalid	No action				1							1 (1 0 0) 5
14		Invalid	No action			UV switch(201-248) Switch II	مري				b		· · ·	mber(1-249): From
15		Invalid	No action			Remark:					, 0		Кеу	Name
16		Invalid	No action			OFF Aut off(1-36	500s)	1	Brightness se	ensor(Lux)			1	qunda-c-h-23 gunda-off
) · dela		nimutes, "	th	en				٠		۲ 0		3	qunda-c-h-24
		1				Logic Logic num:	Stati	us: False 🔻	PIR sensor				4	qunda-c-h-25
19	Irigge		No action OUTOUT No action	-Ш							1.		5	Qunda-c-m-20
20		Invalid	No action	-	True delay:	: 1 : 0 (M:S False delay:	: 0	: 0 (M:S)	•	III	No moveme	ent	6	Qunda-c-m-21
20		Invalid	No action	-	True	targets configuration	torgot	configuration				_	7	Qunda-c-m-22
21		Invalid	No action	-	Inde	targets configuration False	target	ts configuration		Tes	t Exit test	:	8	Qunda-c-m-23
				1	🗊			Save & Close					9	Qunda-c-m-24
				l	¥			Save & Close					10 11	Qunda-c-m-25 Qunda-c-m-26
Cur	rent device:		42-2\7in1 sen:	sor									12	Qunda-c-m-27

4. 3 minutes after people left the room, turn off the AC automatically

42-2	7in1 sensor										1
			ity actua			🖳 True targets configurat	ion				1
sensor	setting Logi	c secur	ity setup		to take an other	Basic information					
Powe	er on delay(0	-120S):	0	- Current log	ic infomation	Subnet ID: 42	Device ID: 2	Name: 7in1 ser	nsor		
Logic	Dement	Frable	Power off	^	Temperature -20 -	Current selected logic:	4-ac off	•			k
No.	Remark	Enable	recovery			Targets					
1	light on	Valid Valid	No action	1: no	movement	Input target number(1-20) From 1	To 1	Read		
3	ac 25c		No action	© 0r		Cubact Device					
3	ac 27c	Valid	No action	Ŭ	PIR Senser No Movement	Index Subnet Device	Туре	Param1	Param2	Param3	
5	ac off	Valid 🔻	No action			1 42 15	Universal Switch	2(Switch No.)	ON(Switch Stat	N/A	
6		Invalid	No action		Dry contact 1 Disconnect						
7		Invalid	No action			3: send o	command to IR I	EM module	e, let the	IR	
8		Invalid	No action		Disconnect Disconnect	FM mod	ule send out IR	codes ma	ke AC off	-	
9		Invalid	No action		UV switch(201-248) Switch ID			coucs, ma		•	
10		Invalid	No action	E							
10		Invalid	No action	And	Remark:						
12		Invalid	No action		ON Auto off(1.66				-		1
13		Invalid	No action						42-15	IR emitter	
14		Invalid	No action		UV switch(201-248) Switch ID				IR Codes	Current detection	
14		Invalid	No action		Remark:		•	• 0		current detection	1
15		Invalid	No action		OFF Arto off(1-36	00s) 1	Brightness sensor(Lux)		Hint:C	an Multiselect and	d use DEL to delete
17 2						5057	•	۲ ۱	🔽 Ena	able IR emitter	
18	: dela		No action	hen	Logic Logic num	Status: False 🔻	PIR sensor				
	rigger		output						Currer	nt Selected key:	1 Free spac
20		Invalid	No action	True delay	: 3 : 0 (M:S False delay:	0 : 0 (M:S)	٠	No movement			
21		Invalid	No action	True	targets configuration False t	targets configuration	Te	st Exit test	Input Ke	y Number(1-249):	From 1
22		Involid	Ne action	+			le	EXILLES	Key	Name	
				¢		Save & Close			1		22
										qunda-c-h	
Cur	rent device:	1	42-2\7in1 senso	r					2	qunda-off	
										aundo o h	24

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