Sensor

Take M/HS05.1 as example

目录
CONTENTS

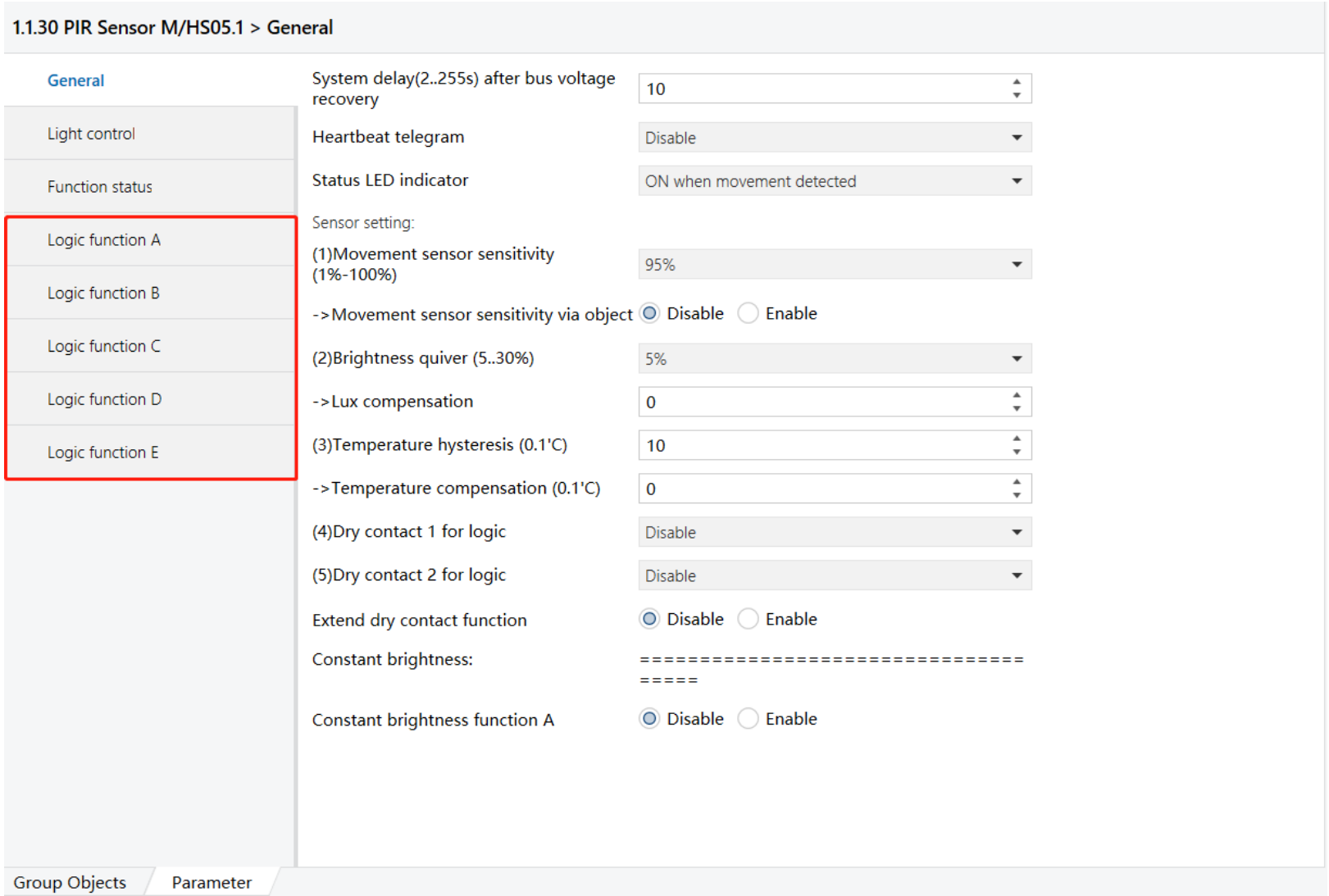
Part 01

Introduction

Introduction

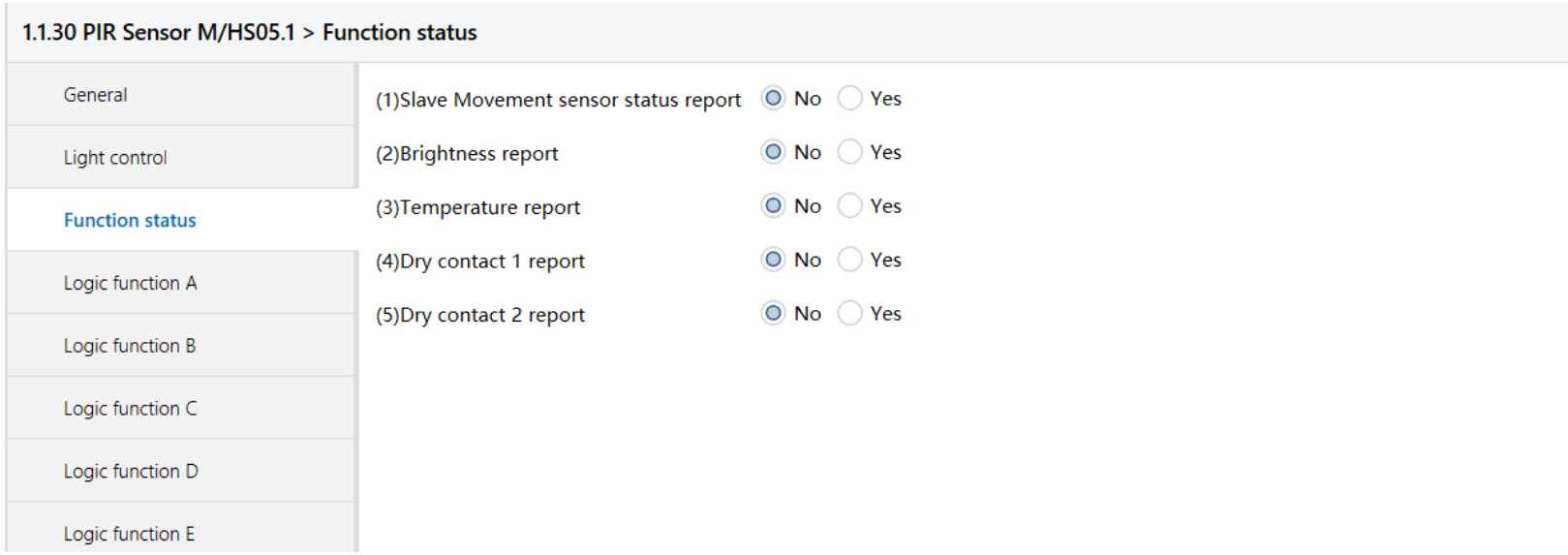
HDL-KNX/EIB M/HS05.1-D PIR and Lux Sensor is a multifunctional movement sensor. It includes 4 independent logic blocks and 1 combined logic block. The logic relations “AND”, “OR” can be set. The logic input conditions contain the conditions of movement sensor, LUX, temperature, dry contact and external conditions. According to different application requirements, the sensor can be configured as the master-slave mode or single mode.

Five Logic functions

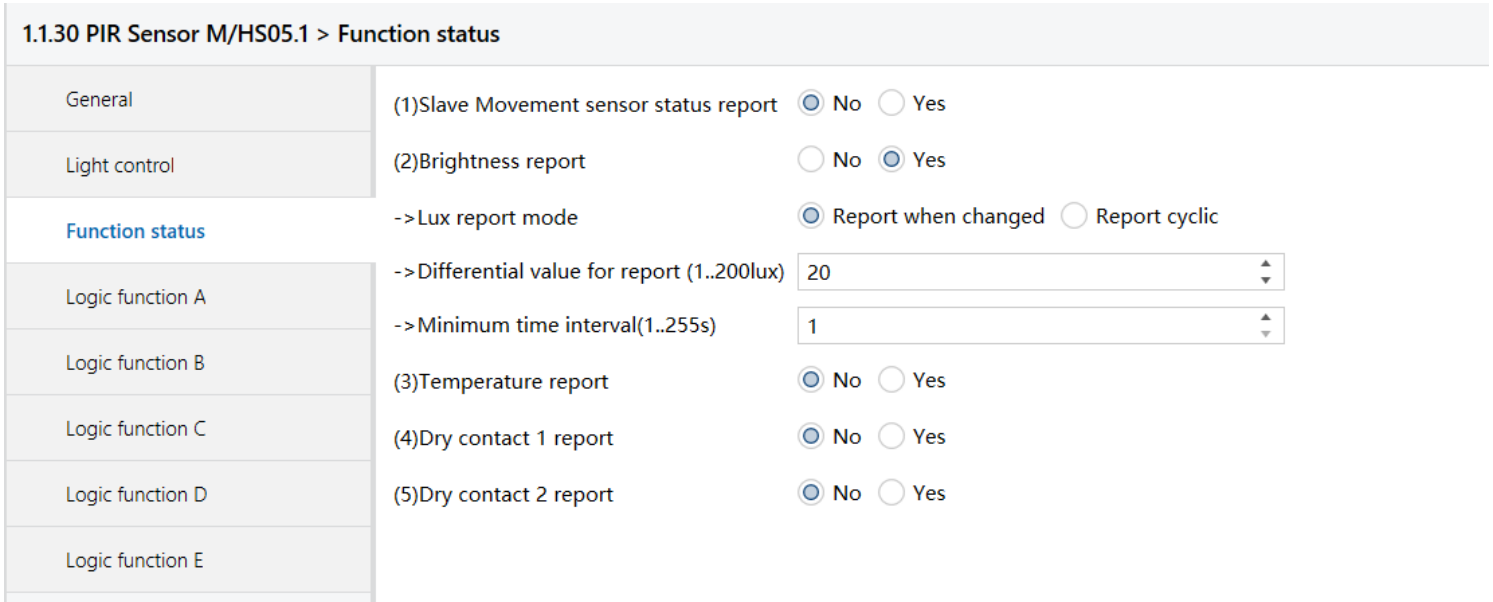


Function Status:

On this page, the real-time status captured by the sensor can be obtained through enabling different sensing functions.



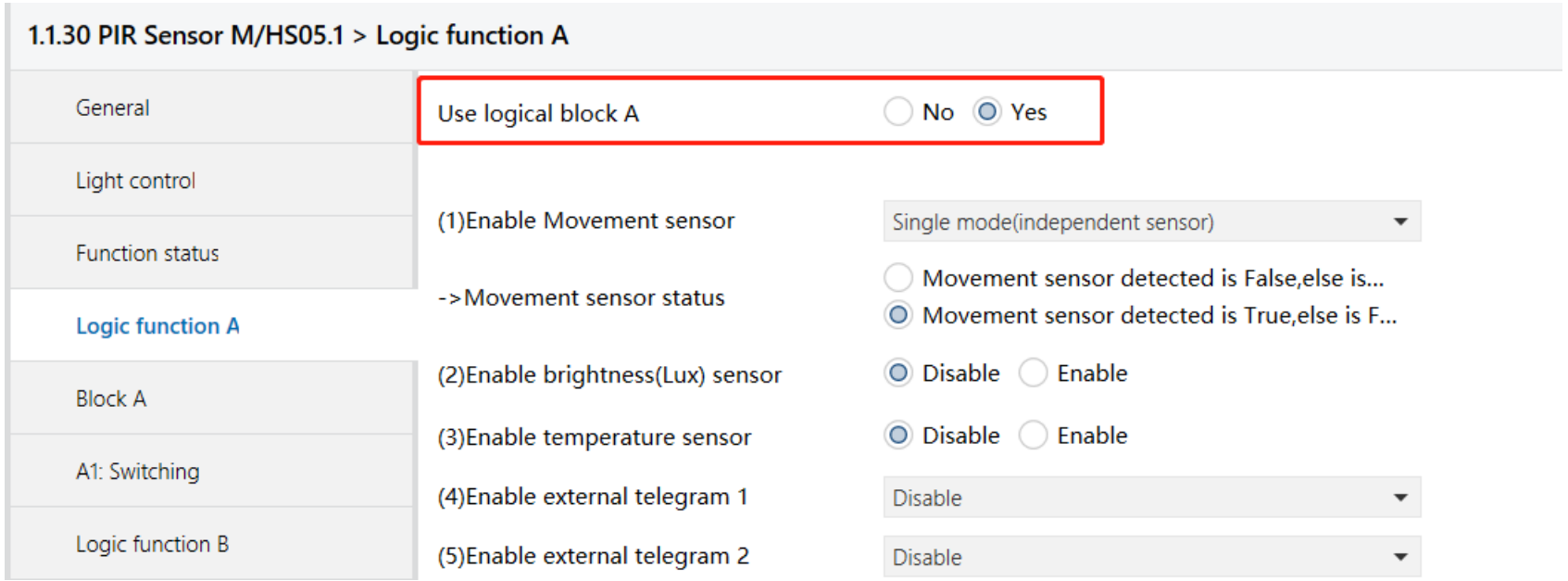
For Example, we enabled brightness report.



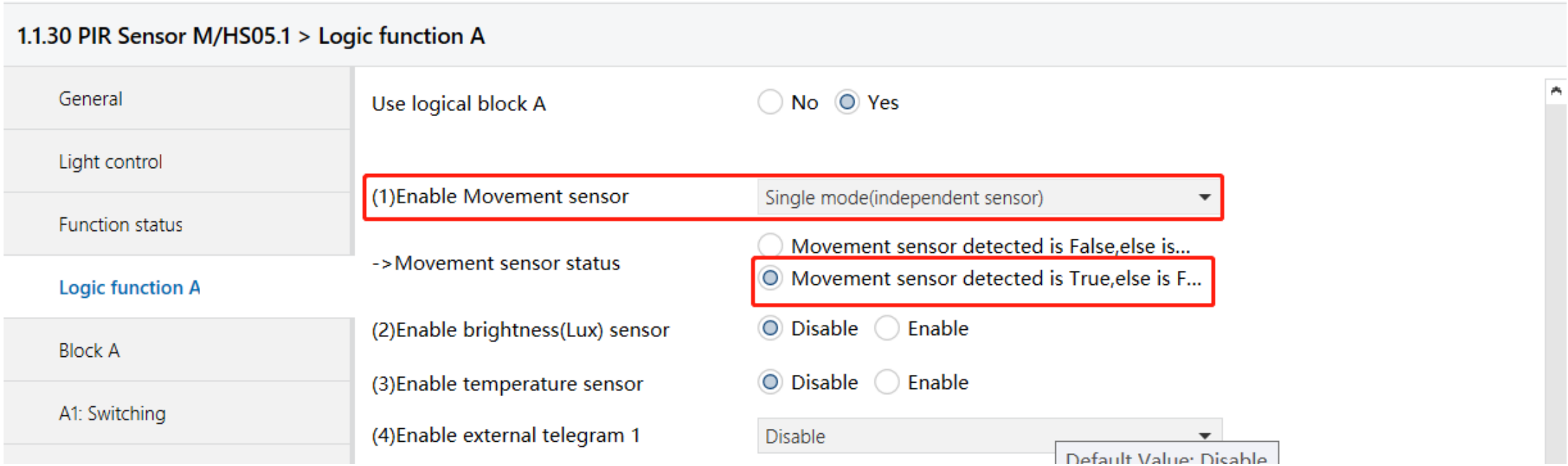
应用下载后，选着诊断—选择开始（我们可以获得传感器实际收集到的亮度值

If we want the Entrance Downlight to turn on automatically when the sensor detects motion. How can we do that ?

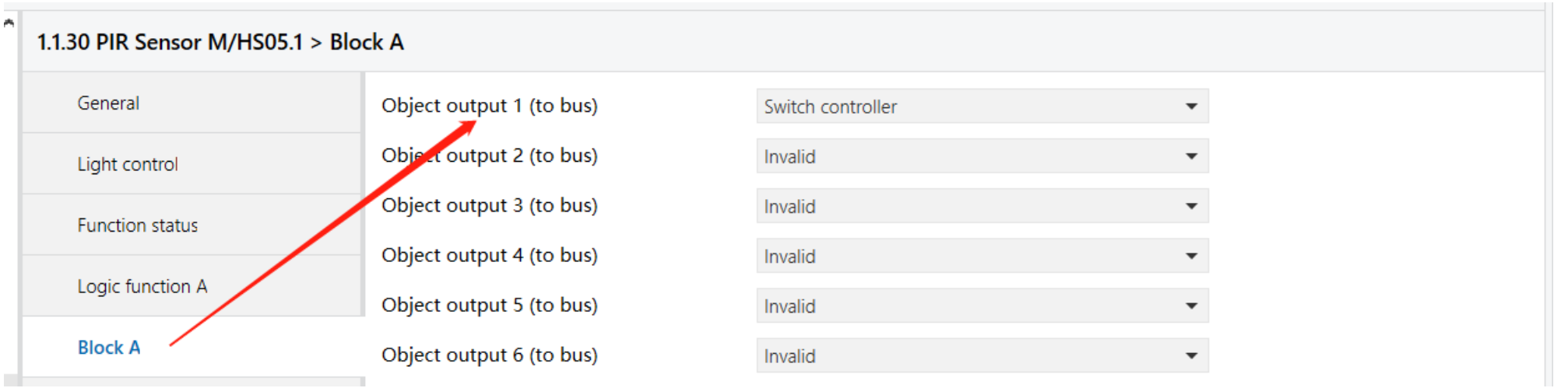
1.Enable logical block A



2.Enable Movement Sensor



3.Select Switch controller as output type



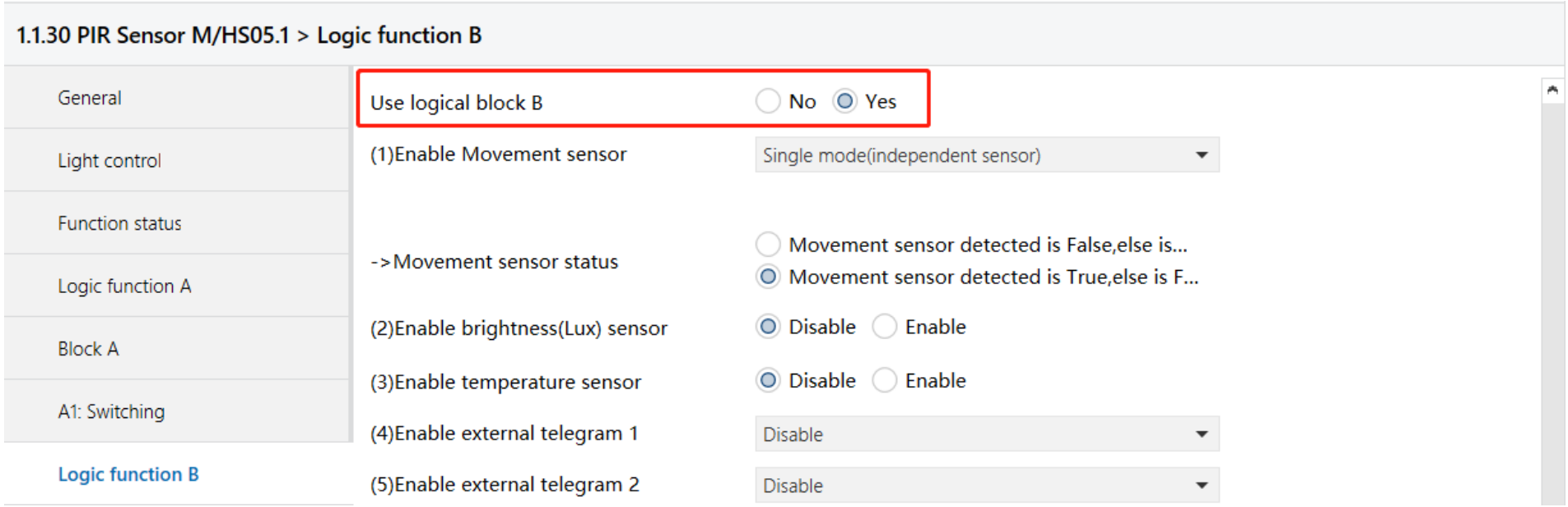
4.Link Entrance Downlight's group address(1/0/1) with Object output A1.

Number	Name	Object Function	Description	Group Addres	Length
1	General	Heartbeat telegram			1 bit
18	Function status	Brightness(Lux) value	Lux Value	1/5/3	2 bytes
26	Light channel 1 slave input	Movement status from bus			1 bit
27	Light channel 1 external input	External telegram			1 bit
31	Light channel 1 output	Switching			1 bit
61	Object output A1	Switching	Entrance Downlight	1/0/1	1 bit

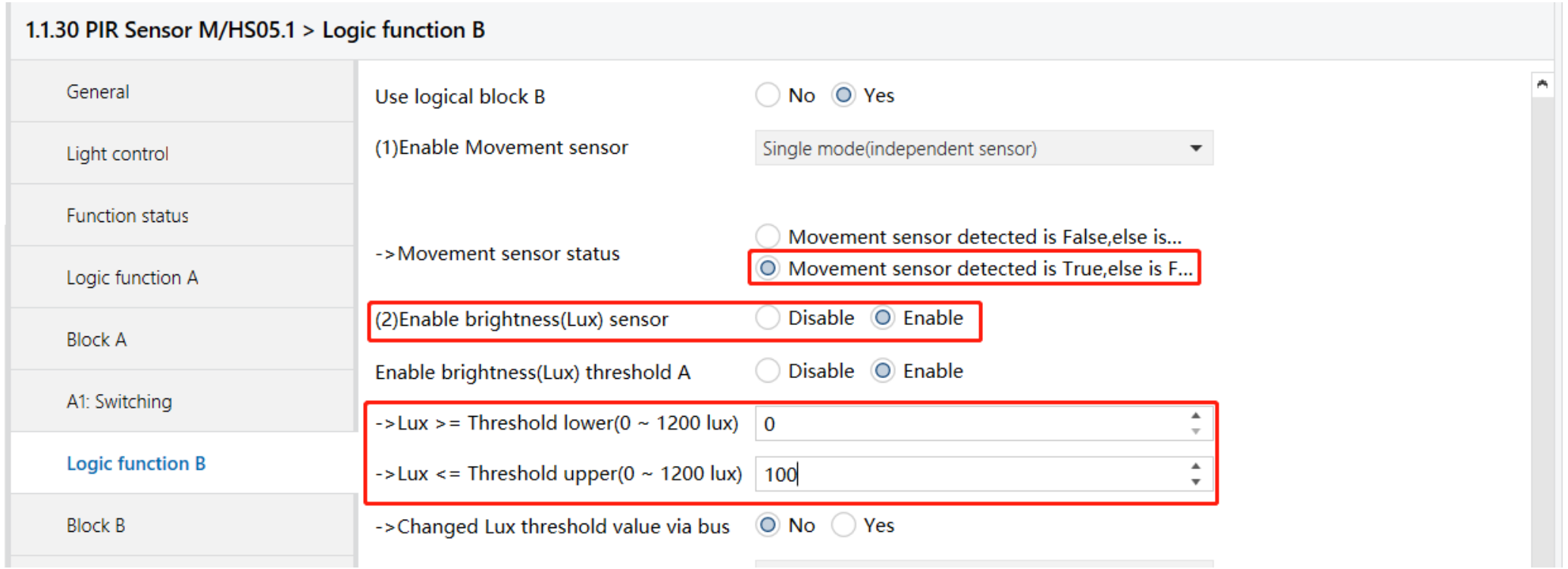
If we want Staircase light to turn on when sensor detects lux below 100 and motion? How can we do that ?

Let’s use logic B to do that.

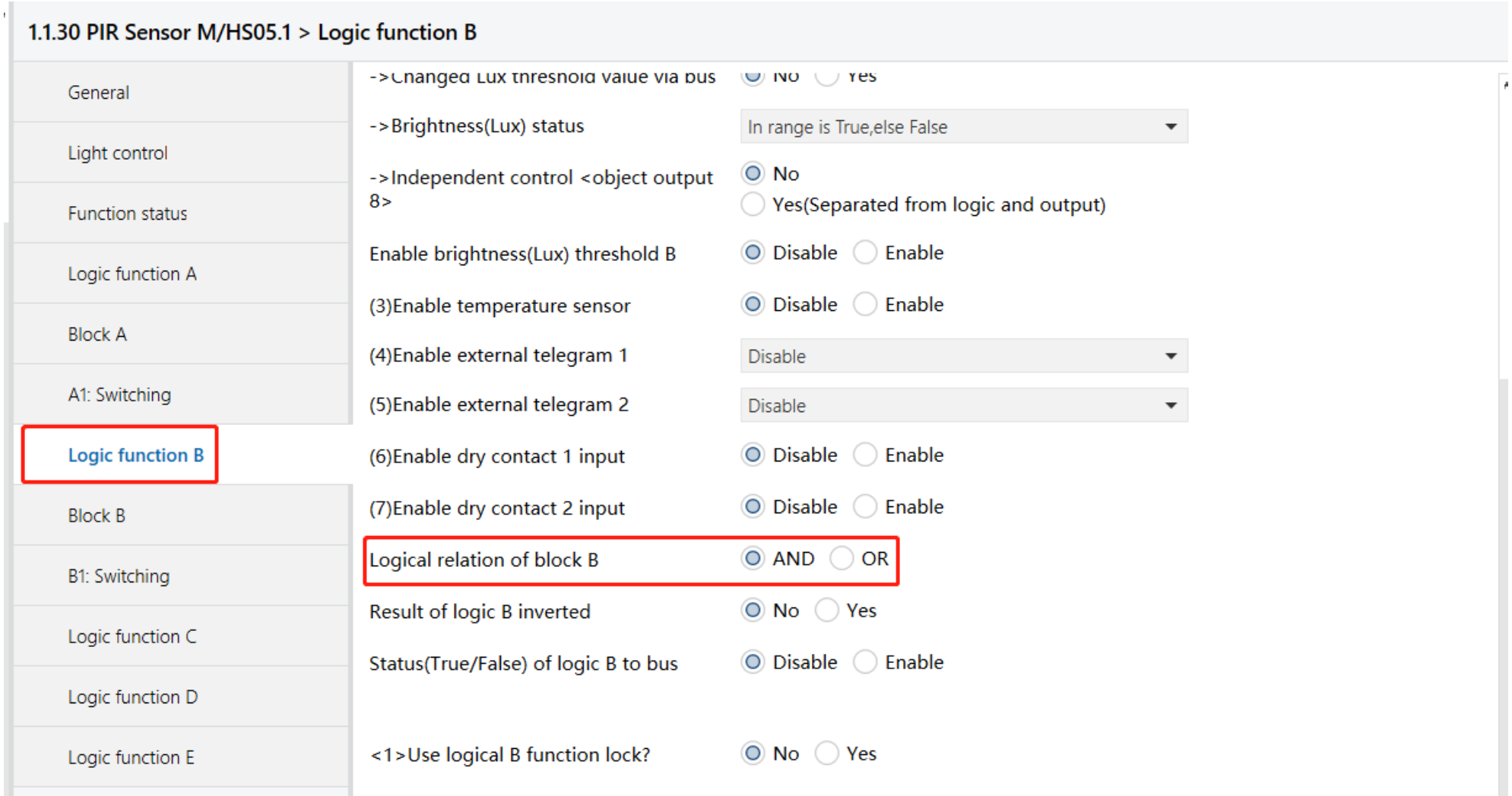
1.Enable logical block B



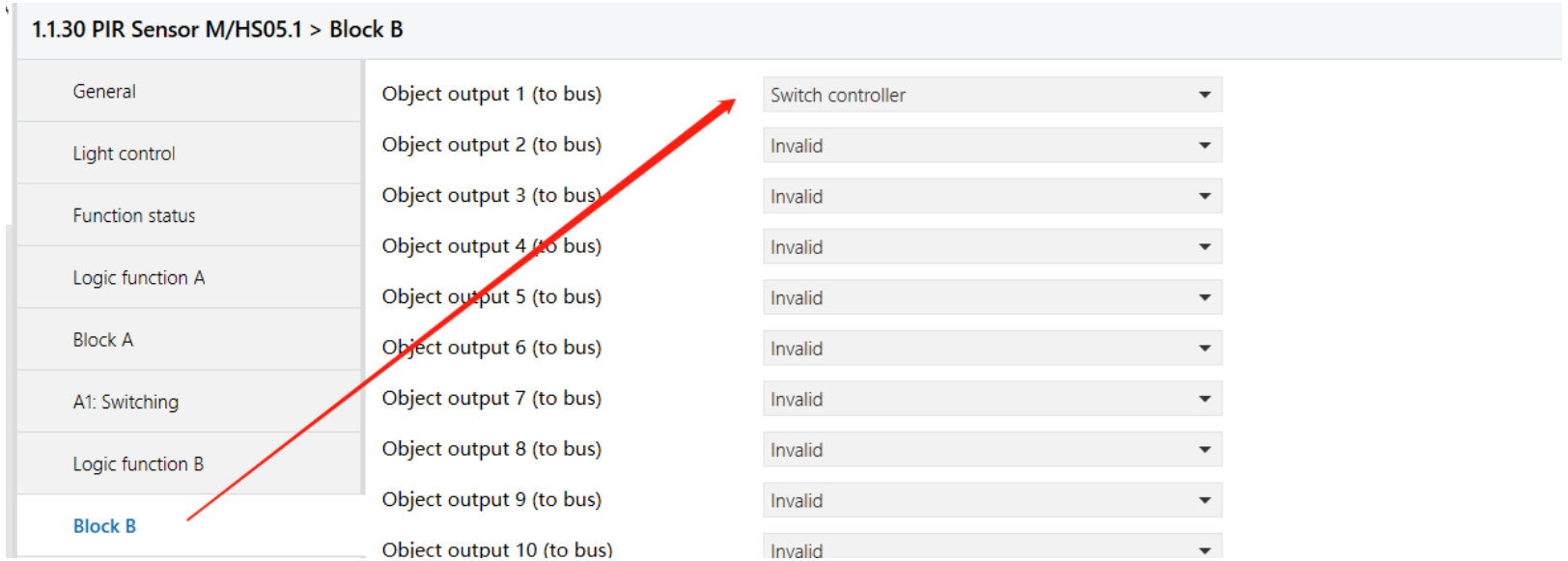
2.Enable Motion Sensor and Brightness sensor , and set conditions.



3.As want Staircase light to turn on when sensor detects lux below 100 and motion, so the relation of condition of motion sensor and brightness has to be “And”.



4.Select Switch controller as output type



Link Staircase light's group address(1/3/1) with Object output B1.

Number	Name	Object Function	Description	Group Addres	Length	C	R	W	T	U
1	General	Heartbeat telegram			1 bit	C	-	-	T	U
18	Function status	Brightness(Lux) value	Lux Value	1/5/3	2 bytes	C	R	-	T	U
26	Light channel 1 slave input	Movement status from bus			1 bit	C	-	W	-	U
27	Light channel 1 external input	External telegram			1 bit	C	-	W	-	U
31	Light channel 1 output	Switching			1 bit	C	R	-	T	U
61	Object output A1	Switching	Entrance Downlight	1/0/1	1 bit	C	R	-	T	U
101	Object output B1	Switching	Staircase light	1/3/1	1 bit	C	R	-	T	U


HDL®
THANKS