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1 -----
2 --
3 --          GNAT RAVENSCAR for NXT          --
4 --          Copyright (C) 2011, AdaCore     --
5 --
6 -----
7
8 -- Constructors for the abstract data type representing the NXT light sensor
9
10 package NXT.Ultrasonic_Sensors.Ctors is
11
12   function Make
13     (Port : Sensor_Id)
14     return Ultrasonic_Sensor;
15   -- Constructs a Lego ultrasonic sensor object using the port specified.
16   -- Selects "lego mode" for the port, as this is always necessary.
17   -- Selects "continuous" mode.
18   -- Sets the device address to 2.
19
20   function Make
21     (Port           : Sensor_Id;
22      Device_Address : Unsigned_32;
23      Mode           : Commanded_Operating_Mode)
24     return Ultrasonic_Sensor;
25   -- Constructs a Lego ultrasonic sensor object using the port specified.
26   -- Sets the device address for the chip within the ultrasonic sensor to the
27   -- value specified. Note that the value 2 is likely always required.
28   -- Selects "lego mode" for the port, as this is always necessary.
29   -- Sets the operating mode to the value specified.
30
31 end NXT.Ultrasonic_Sensors.Ctors;
32
```