

LC01: 1 Wide Redcoder

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Tags: logic-and-computation, redcoder

Features

- 1 Wide
- Stateless, uses quasi-based logic

Applications

- Decoding analog signals

General Description

The LC01 1 wide redcoder takes a pulsed analog signal and outputs a pulse at one of 15 slices corresponding to the code.

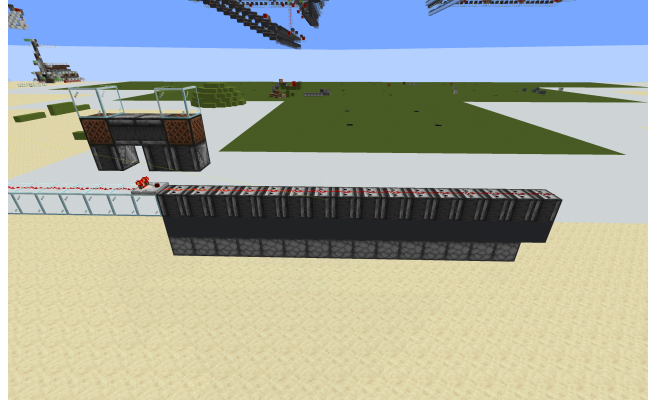


Figure 1: 1 Wide Redcoder

Device Specifications

Table 1: Inputs

Name	Range	Description
Signal input	1-15	Pulsed analog signal.

Table 2: Outputs

Name	Range	Description
Output pulse	Pulse	Outputs a redstone pulse at a slice corresponding to the mapped signal.

Table 3: Device Specifications

Parameter	Min.	Typ.	Max.	Unit	Conditions
Throughput	10	-	-	gt	Normal Usage
MC Version	1.13	1.17.1	-	MCV	Latest version at time of writing: 1.19.3
Dimensions	1 x 6 x 18			Blocks	

Testing Data

Table 4: Executed Tests

Test	Result
Decoding test	Device was able to decode analog signals successfully at 10gt throughput.

Download Information

Table 5: Download Information

Identifier	MC	File	Description
LC01	1.17.1	LC01_1w_redcoder.litematic	Schematic of device.