

Chapter 8

Digital and Analog Interfacing Methods

Lesson 9 Part a

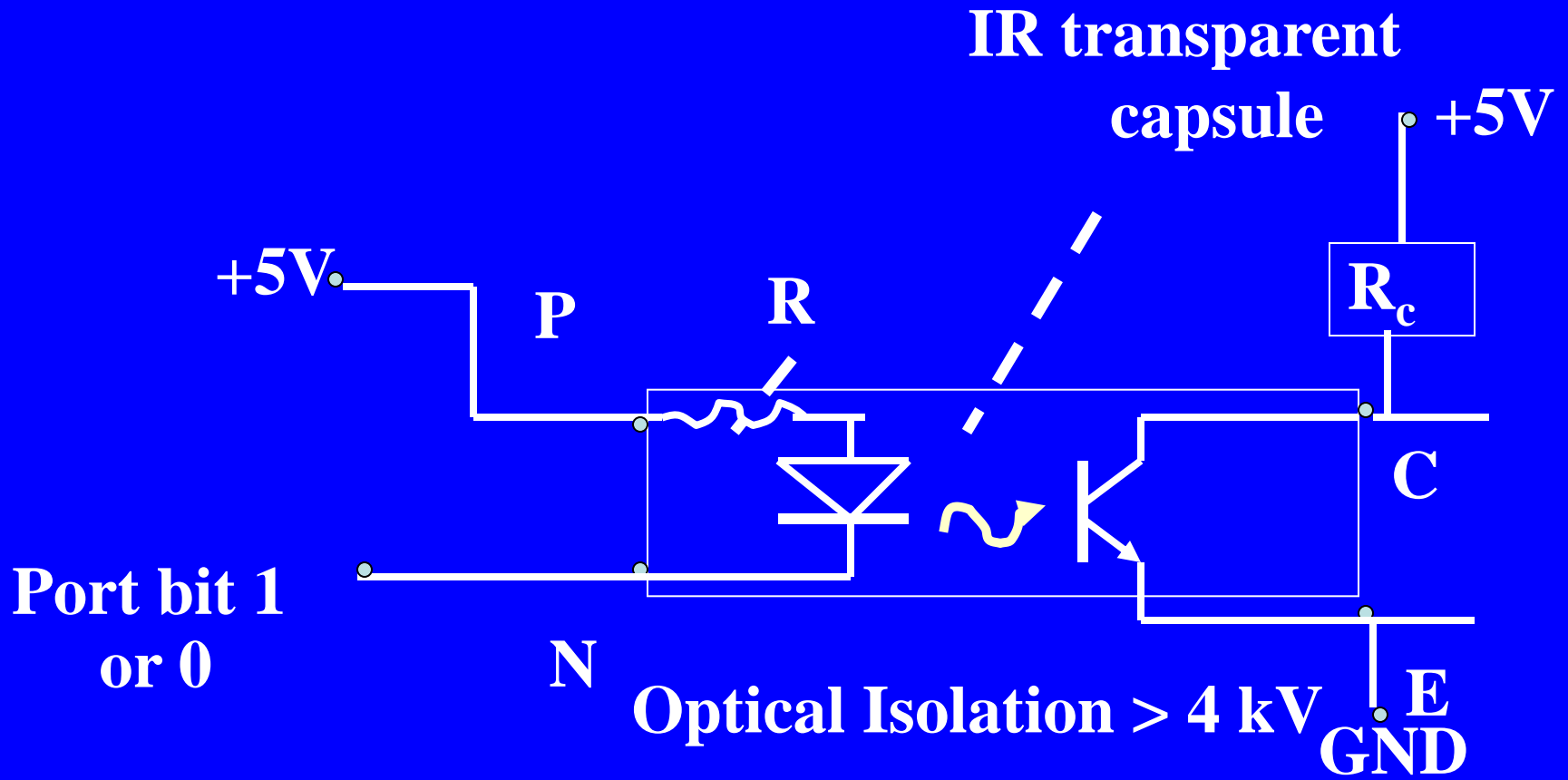
OptoIsolator Interface

Optical Isolation– Protection and Isolation

- (1) Transient surges
- (2) Larger Signal inputs (For example, ~ 30V)
- (3) Mistakes like an input shorted to the power line (220V or 110V)
- (4) Large Input Offsets, for example 440V

Opto-isolator

- A Sealed LED -Phototransistor pair



Summary

We learnt

Opto-isolator

- Protects and Isolates
- Encapsulated LED-PT pair

End of Lesson 9 Part A

OptoIsolator Interface