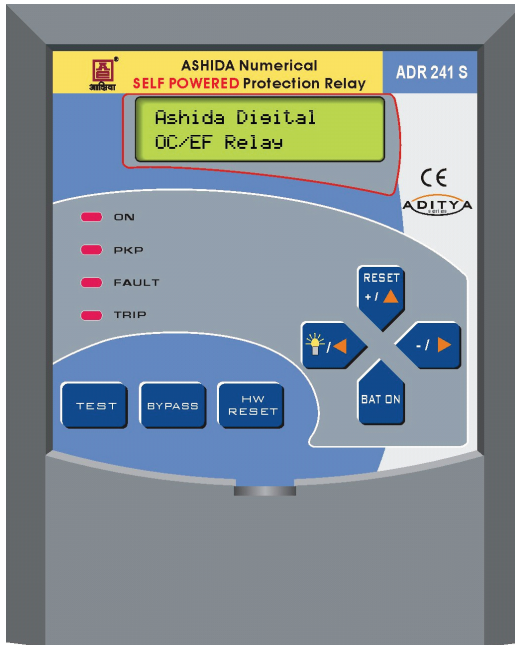




Ashida

## ASHIDA Numerical Protection Relay For RMU

Type: ADR141S  
ADR241S  
(ADITYA Series)  
(AM101xx for RMU)  
(Preliminary)



### Features :

- ✓ **Auxiliary Voltage supplies is not required.**  
**(Relay with Aux. supply and option is also available)**
- ✓ Low energy pulse output tripping for RMU.
- ✓ User friendly setting procedure with wide setting range.
- ✓ 4 Element (3 Phase + 1 Earth Fault) Over current IDMT/ Definite time and Instant Trip.
- ✓ RS 232 and RS 485 Communication Port for remote SCADA. (only for ADR241S)
- ✓ Programmable (Non Volatile) setting by local keyboard as well as remote setting by communication port. (only for ADR241S)
- ✓ LCD Display for settings / parameters.
- ✓ Display of Fault current as well as Load current.
- ✓ Latching of last 5 fault with relay time
- ✓ Selectable Inverse Time Characteristics (Five selectable curves) : Normal Inverse1 (C1), Normal Inverse2 (C2), Very Inverse (C3), Extremely Inverse (C4), Long Time Inverse (C5), Define time (C6)
- ✓ Separate curve setting for phase and EF
- ✓ Internal Battery for maintaining LCD display and communication during fault condition.
- ✓ Designed using DSP technology.
- ✓ Latching of Fault Current and storing in a non-volatile memory with time stamping.
- ✓ **Three External status input for SCADA**
- ✓ **Remote trip ( same as selected Auxiliary supply voltage ).**
- ✓ **External latching type potential free contacts.**

### General :

The ADR141S / ADR241S is member of ADITYA series designed to meet demand of Ring Main Unit (RMU) type switchgear where Auxiliary supply as well as PT voltage is not available. The relay takes power from CT's and continuously monitors all 3 phases and earth current, through CT connections. The high-speed micro controller **samples** this current through a **12 bit A/D converter**.

*Note: Due to our policy to upgrade our products constantly, we reserve the right to supply products which may vary slightly from that indicated above.*

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Ref.: ADR141S/ADR241S\_V  
Issue: 06 21.09.09  
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