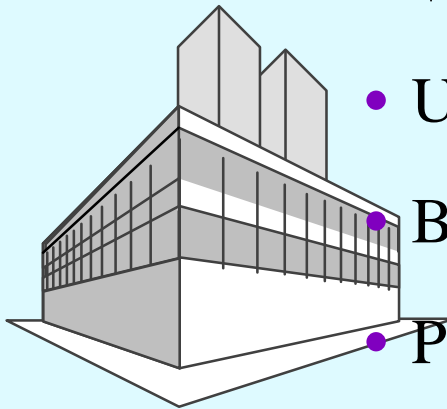


Industrial Segment

**Battery Charge
Phase Control
Identification
Zero Crossing Switches**

Industrial

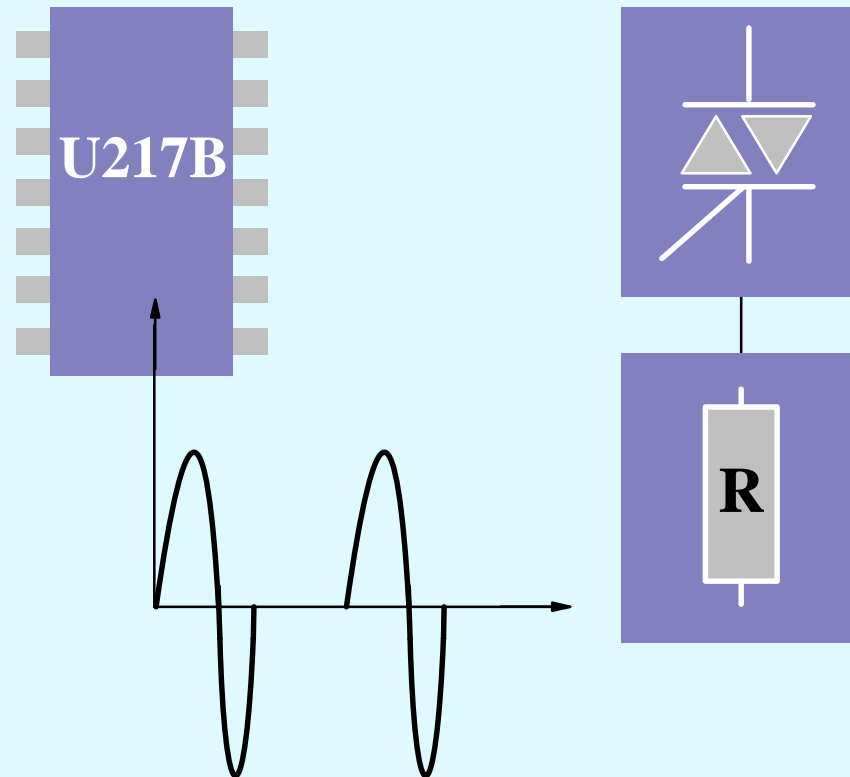
- More than 15 years of industrial expertise
- State-of-the-art wafer fab and packaging facilities
- Rugged 30 V and high-density 16 V technology
- Worldwide application support
 - World class phase control and battery charge technology
 - Unique components for house installation
 - Battery powered DC-motor ICs
 - Proximity switch ICs
 - Strong custom design capability



Industrial

Zero Crossing Switch

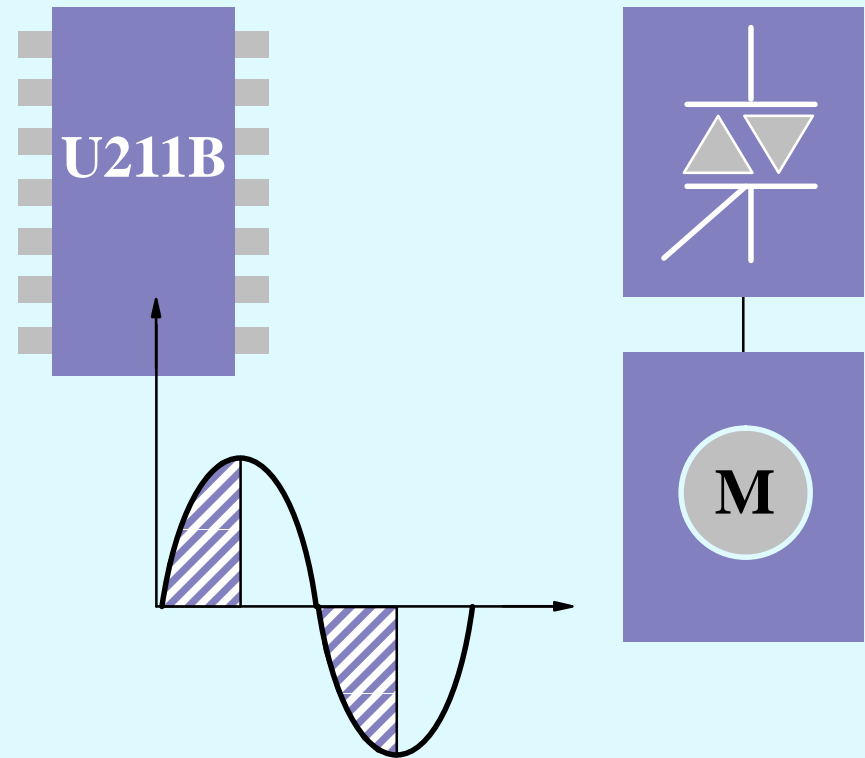
- Control circuit for triac switch
- Power supply directly from mains
- All temperature control applications
- White and brown goods



Industrial

Phase Control

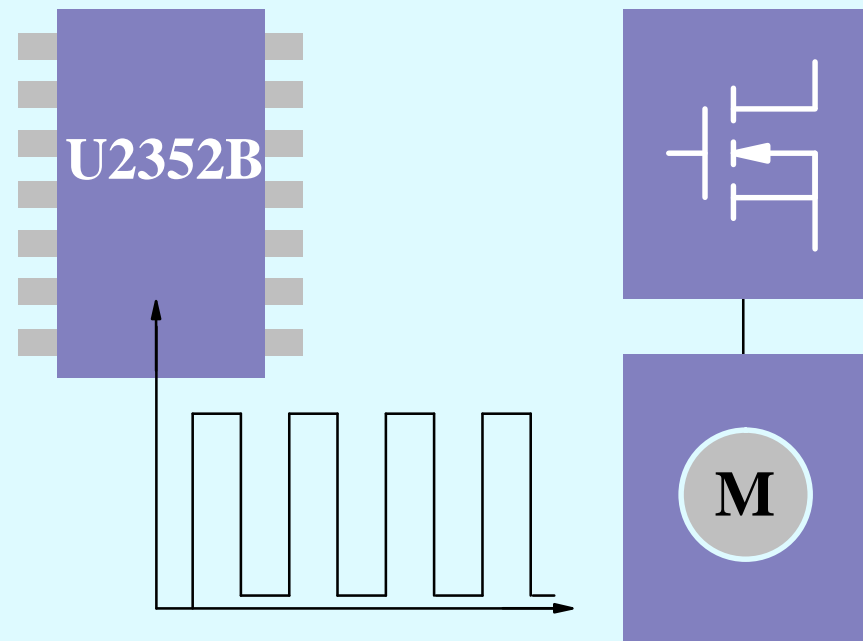
- AC motor control (speed, torque)
- Direct mains supply
- Electric power tools
- Industrial 3-phase applications
- Domestic appliance



Industrial

DC Motor Control

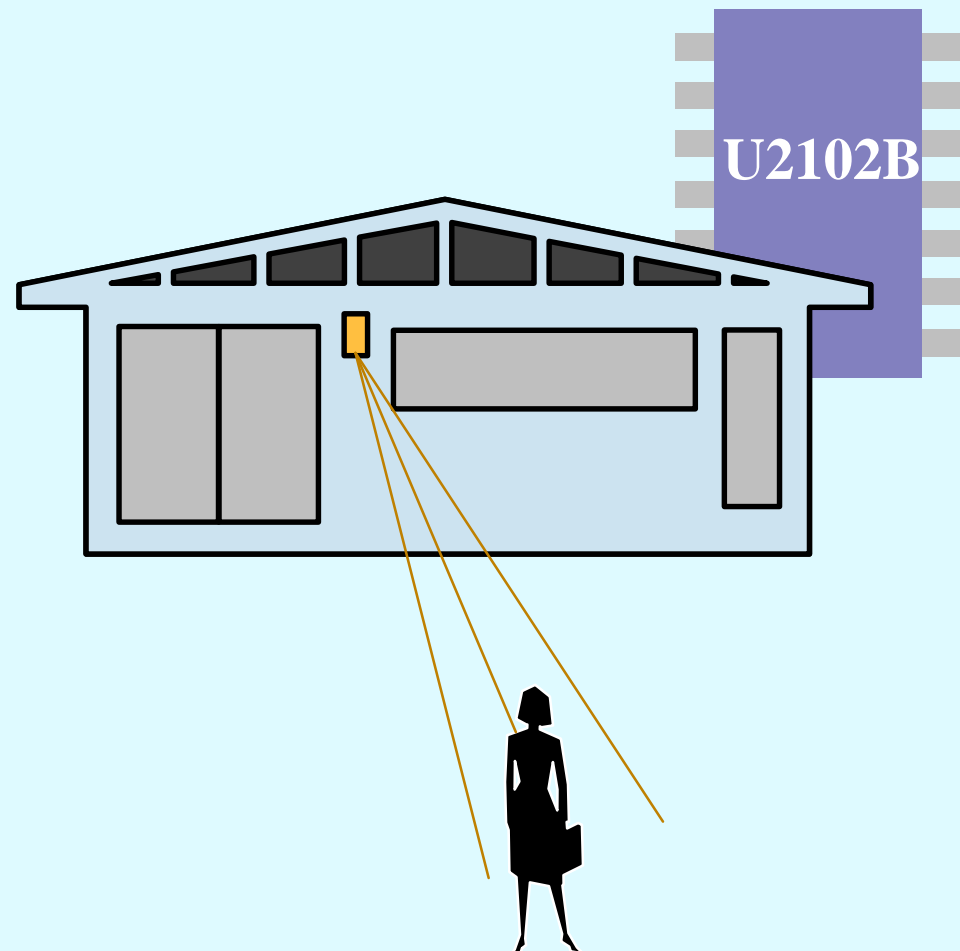
- **Battery powered motors**
- Key application: electronic controlled power tools
- All mobile equipment
- **Permanent magnet motors**
- Rectified mains power supply
- Maximum power at reduced motor size



Industrial

Power Timer for Illumination Control

- Interface and power control function ICs
- For all styles of sensors and switches
- Optimized for PIR sensor/relay system
- Used at sensor systems with mains supply
- Key application: illumination control
- Motion sensor and dimmer for smart house illumination



Industrial

Battery Charge

- **Market leadership for unique solutions**
- NiCd/NiMH protective fast and fully charge
- Minimized charge concept up to 6 NiCd cells
- Versatile applications with reduced periphery
- **All telecom and industrial applications**
- **Optimized for desktop and car applications**
- **Cost benefit to μC systems**

Timer
Temperature Monitoring
$-dV$ Detection
d^2V/dt^2 Detection

